For Modellers by Modellers!

MILITARY MODELCRAFT INTERNATIONAL

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A GIRL CALLED FAY

Asuka Models' M4Sherman Late.

ACE OF SPADES

Trumpeter's T-72B1 goes to war in the Ukraine.

AMT 2016
SHIZUOKA 2016

The news from the world's top modelling events.

SCUD BUSTER PART 2

News, reviews and modelling tips

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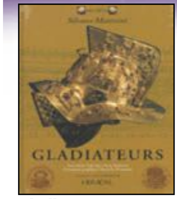

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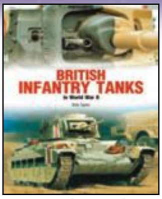

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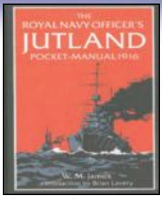

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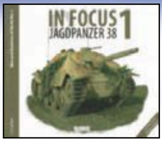

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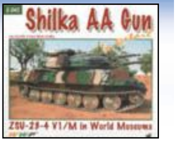

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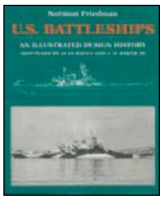

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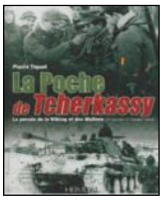

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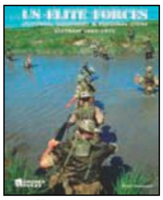

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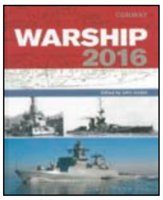

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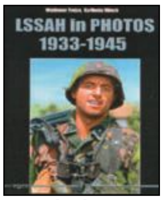

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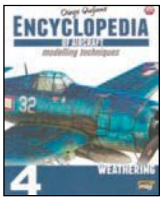

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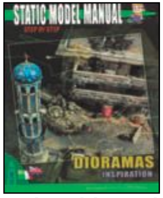

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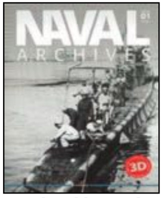

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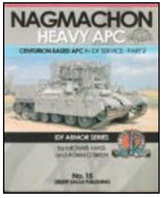

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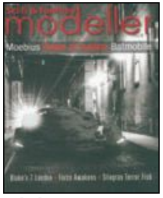

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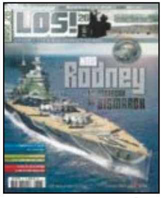

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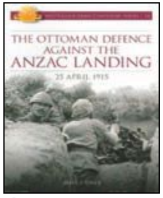

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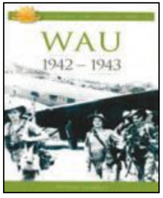

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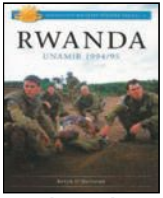

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Key to Scales used in MMI

1/6 = 300mm
1/10 = 200mm
1/16 = 120mm
1/18 = 90mm
1/24 = 70-75mm
1/32 = 54mm
1/35 = 51mm
1/48 = 36mm
1/72 = 25-28mm
1/76 = 24mm
1/144 = 13mm
MMI = no scale, reference articles, Industry news

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Forum

This month's Armour in Profile feature on Hungarian national markings in World War II and our article on IBG Models' Toldi made me think about how technology has transformed our hobby in two ways in recent years. The first, and most obvious, of course, is the Internet and the way in which it has made information so readily available. There is a plethora of images and information on almost every topic a modeller could want and, as a professional historian myself, I can testify that a Google search is the first stage in any researcher's new project. What is more difficult is to sure of the veracity of information you find on the Web and there is no substitute still for the kind of detailed archival and library research that underpins Andrew Telford's article this month. The second is the use of CAD and 3-D printing in making moulds for kits. This has enabled the explosion of new kits as tooling a model from scratch now takes months, if not weeks, instead of paintstakingly making a master by hand.

Andrew Telford's Armour in Profile feature this month, complemented by Mark Rolfe's superb colour profiles of the Toldi, makes for interesting reading, as does Ivan Momcilovic Momcha's build of IBG Models' kit. Next up Christian Lupu completes his Trumpeter SCUD-B project. We also welcome back John Hale who builds Asuka Models' new Sherman M4 Late. This is based on a particular tank and John, a renowned Sherman expert, gave assistance to Asuka Models in the development of this kit. It's also a welcome return for Łukasz Orczyc-Musiałek who brings us bang up to date with a very topical build of Trumpeter's T-72B1. Finally, we round up the news of the latest releases from the Shizuoka show in Japan, while Abilio Piñeiro Grajera reports from the AMT show in Spain. Until next month, happy modelling.

David

David Grummitt Editor

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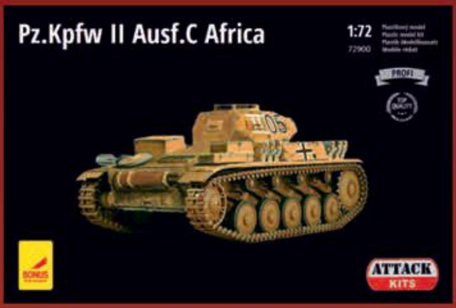
NEWS


Pz.Kpfw II Ausf.C Africa
1:72
72900
PROFI
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The new unique plastic model of German Panzer II

72900 PzKpfw. II Ausf.C „Afrika"
Profi model contains: metal brass barels, set of canisters, special decal set and new up-armoured gun shield

Marmon Herrington Mk. II MFF
1:72
72901
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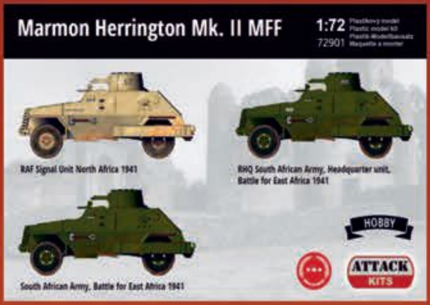
Marmon Herrington Mk. II MFF
1:72
72901
RAF Signal Unit North Africa 1941
RHQ South African Army, Headquarter unit, Battle for East Africa 1941
South African Army, Battle for East Africa 1941
HOBBY
ATTACK
KITS

SU-76i Soviet Army
1:72
72890
PROFI
ATTACK
KITS

PzKpfw II Ausf.C
Balkan - Yugoslavia, Greece 1941
1:72
72892
PROFI

SU-76i Wehrmacht
1:72
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PzKpfw II Ausf.C
Eastern Front
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SU-85i
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– available as separate sets

72M001 T-34/76 T34 76,2mm
72M002 Set Panzer II (2cm KwK 30 + MG 34)
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72M004 NEW
D-5T/F (SU-85, initial series of T-34/85)

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News From AMPS

Chuck Aleshire brings us the news from the AMPS International Convention 2016.

Every February, the AMPS Atlanta chapter holds a joint show with the Atlanta Military Figure Society. The show is held in the beautiful Atlanta Marriott Century City hotel. The show is usually a terrific mixture of great armor and figures, and this year's show was no exception. Armour models are judged in the usual highly specific, manpower intensive AMPS manner, while the figures and other ordnance subjects are judged by the Figure folks to their standards. Despite the two very different judging styles, this show is a great example of the cooperation and coexistence of the two modelling groups, and a very fine, enjoyable show is the result.

A highlight of this year's trip was the opportunity to visit the Armor restoration shop located south of Atlanta at Fort Benning. The facility has hundreds of historically significant AFVs, including many one of a kinds. Highlights of the collection include a Tiger I, a King Tiger, a StuG III in original World War II paint, the sole surviving US Super-Heavy T-28, a building full of different Sherman variants, Cobra King (the first Sherman to break the siege of Bastogne during the Battle of the Bulge), some fine World War I tanks, and many others. Several hours were allowed for this special visit, and volunteer staff at the restoration facility were only too happy to answer questions. Many of the fascinating pieces at the restoration shop area were originally found elsewhere, like Ft. Knox and the Aberdeen Proving Grounds, and are destined to be included in the National Museum of Armor and Cavalry which is planned to be located at Fort Benning.

During the 2013 AMPS International Show held in Atlanta, we were first given the opportunity to tour the armour shops at Fort Benning. It was a special thing to see then, and happily, things there have only gotten steadily better under the leadership of Mr. Len Dwyer who runs the operation. Many more vehicles are now under cover, and restoration and preservation efforts are on-going on a daily basis. It's great to see. Roughly twenty lucky visitors took advantage of this year's rare opportunity to wander through the shops, buildings and holding areas of the restoration facility. Being able to lay your hands on (indeed, to climb upon) a Tiger tank, cross the centre aisle of the main shop building and get up close and

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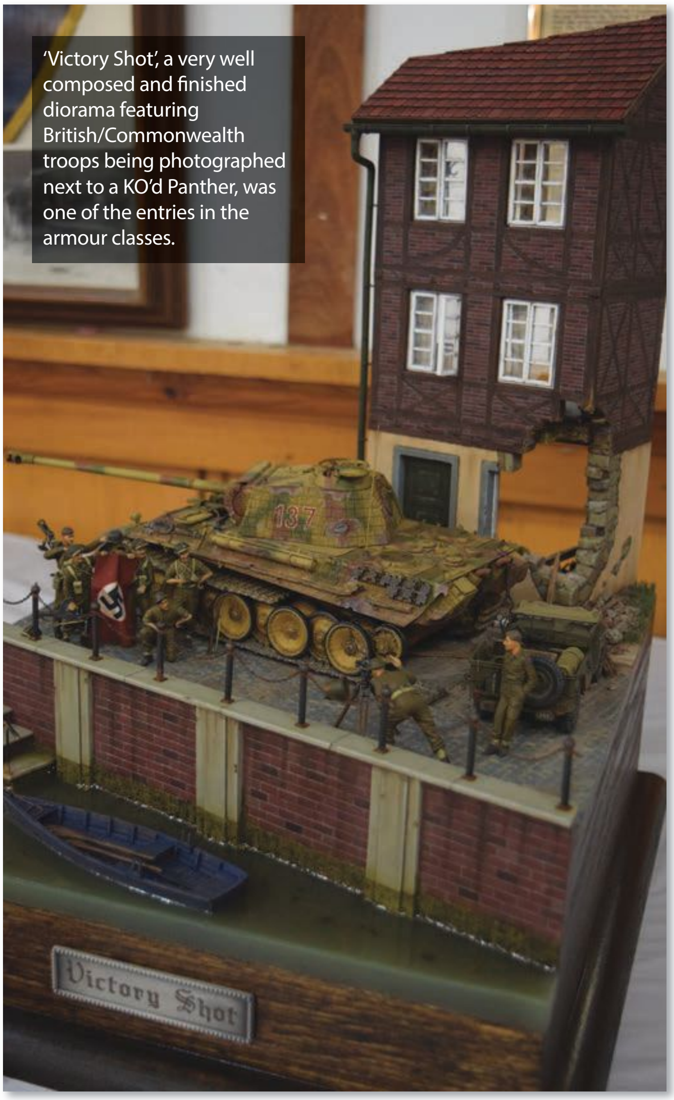
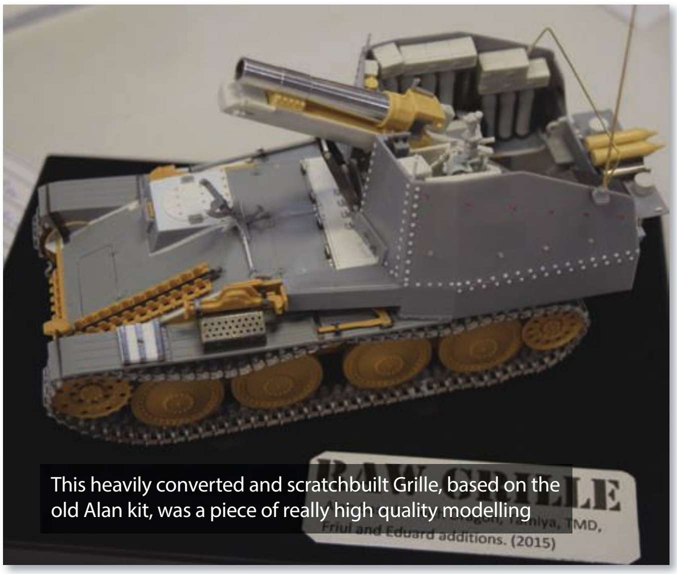
LEO

Some of the beautifully restored Shermans to be seen at Fort Benning.

personal with the very first Sherman to break into Bastogne is pretty special for an armor modeller. It was reported at the show that they will attempt to arrange another visit to the shops next year. Believe me, that takes a great show and takes it to the very top of the 'must-do' list!

This year's Atlanta show ran quite smoothly overall due to the highly experienced show crew, with all judging completed on time, and the well-attended awards ceremonies (one for armour, one for figures and ordnance) starting on schedule. Some of the major awards went to Mike Petty for Best Commonwealth with a British MK IV Male, Tony Zadro won Show Theme (Tropical Tanks) with his IDF M2 Halftrack with 20mm Oerlikon, and I won Best Russian and Best of Show with my Don Cossack Austin Mk III Armored Car. This show is highly recommended, and I'm already looking forward to next year's show!


'Victory Shot', a very well composed and finished diorama featuring British/Commonwealth troops being photographed next to a KO'd Panther, was one of the entries in the armour classes.


This heavily converted and scratchbuilt Grille, based on the old Alan kit, was a piece of really high quality modelling

An M60A1 in Gulf War colours storms into the arena.

Master Box Ltd from the Ukraine. company appeared on the market in 2004. Four modifications of German Light Tank Pz.1A became our first models: ammunition carrier, commander's vehicle, artillery variant with Italian cannon "Breda" and ambulance car. These models were taken out of production a long time ago and, possibly, there would not be use to think of them, if not one important thing: exactly ambulance version of Pz.1A determined the further line of the development of Master Box perhaps, as it was our first model that included the figures. It was a successful experience, modellers liked our first figures and we realized that we could make interesting figure kits. However, we realized also very well that there were the companies on the market releasing the figures already and doing it well really, and that we needed to think up something special in order to become visible on their background. And then we noticed that the majority of released figure kits were firstly accessory of models of techniques and the majority of them were made on a very simple principle that can be expressed in a generalized sense by words "soldier stands, soldier sits, soldier shoots, soldier points". And then we decided to change the status of figures kits and we tried to turn the figures from the accessory into an independent model. Each our kit began to bear the completed story that allowed doing dioramas filled with certain emotion at once, without reworks and conversions and since then almost each our kit has own completed story, and the story of some kits has also question-mark, for example, like 3590 "Accident. Soviet & German military men, summer 1941" kit or 3572 "Crossroad" kit, the story of which leaves the end of the story open and a spectator can imagine a possible ending. And sometimes we joke just giving a spectator a positive smile, like it is done in 35157 "US and German paratroopers, the South of Europe, 1944" kit. Such approach to creation of kits was noticed by the journalists and what we make got the name "philosophy "Vignette in the box" thanks to good graces of our great friend Jim Rae who worked in Armorama in that period of time. And since then till now when we develop the next kit, we are guided by the principle: "We do not create figure kits. We create emotion". And this principle is professed by all our employees.

Why did we concentrate on the production of exactly figures? In the first instance, as it is interesting for us. There are very large-scale opportunities for our creation here, there are opportunities to create and to bring certain emotions to the modeller. The idea of the story of the next kit appears always suddenly and the most sudden things are impetus for creation of the kit sometimes: a chance conversation, TV program, book, but it is always the thing that touches soul and interests. Then the idea is discussed and this discussion gives rise to a concrete story implemented in the kit, but rather often already approved story is changed and added during the process of the work with the figures. Besides, we try to broaden our subjects, we try to give not only the stories connected with fights, but also to give the stories purely everyday, to show that the war is not only shots, but also flirtation (3570 "Fräulein, what are you doing today? German military men, WW II era" kit), rest with playing cards (3525 "Skatspieler" kit) or sports (35149 "German Tankers - A break between battles, WW II era" kit and 35150 "Friendly boxing match. British and American paratroopers, WW II era" kit), or just heart-to-heart talk (35160 "German Tankmen, WWII era" kit). There are also stories in our kits that show display of a person's best qualities in terms of war (35164 "The 101st light company. US Paratroopers & British Tankman, France, 1944" kit). And lately we started to develop subjects of Fantasy, subjects of Zombie and of Post-apocalyptic fiction, we made several kits in Pin-up style that are accepted by the modellers very well. I must tell that sometimes we choose subjects that our distributors do not approve and it happens that we make one or another kit even despite the forecasts of our distributors. For example, when we presented our 3550 kit "8th Pennsylvania Cavalry, 89th Regiment Pennsylvanian Volunteers, Battle of Chancellorsville, May, 2nd, 1863. American Civil War Series. Attack!", some our distributors said that the kit would not be interesting for the modellers and it would not be sold. Despite opinion of our respected distributors we made that kit nevertheless and we turned out to be right – the kit was accepted by the modellers very well, it got title "Model of the year" and the medal from the readers of ModellFan Magazine, and a lot of wonderful dioramas are made with the use of these figures.

Finally, I would like to tell that Master Box Ltd. company is a family enterprise and the most active part in the work of the company is taken by my wife, Marina Surzhenko. This charming woman conducts the finances of the company and organizes the deliveries of our goods to distributors and in the first instance, exactly her precise work assisted to create the reputation of a very reliable partner for the company. Also I would like to tell some kind words to our partner Valeriy Lvovskiy whose support helps us very much during all these years, to all our personnel that did not change since the beginning of the work of our company and to our sculptor Anatoliy Gagarin whose figures created the style typical for our kits, also I would like to thank our distributors for reliable work. But I would like to express the largest gratitude to all modellers whose kind support and kind criticism at times allow us to create newer and newer kits.

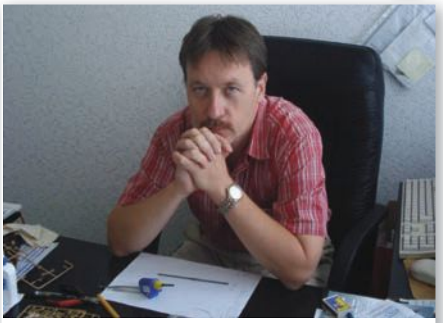
With best regards to readers of the magazine,

Alexander Surzhenko,
Director and co-owner of Master Box Ltd.

http://www.mbltd.info

If you are a manufacturer and would like to see your company's profile on our pages like Master Box please contact

Tom Foxon – group PR & Marketing Director
e-mail tom@regallitho.co.uk



Alexander Surzhenko Managing Director of Master Box

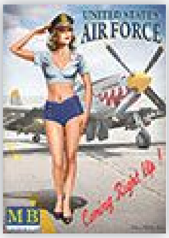
Our tem here in the Ukraine

Marina Surzhenko wife of Alexander Surzhenko more importantly the Finance Director of Master Box

a view from our Factory in the Ukraine

Separate tracks for models
MB

READY
US ARMY
MB



1/35
Scale
611 311 111 2001
611 311 111 2001
2 2
2113 531 421 101
2113 531 421 101
Beuterpanzer 739(f) SOMUA S35
DEF.MODEL
311

DEF.MODEL
Definite Detail Resin Cast Kit

Conversion set for Military Fans~!
https://www.facebook.com/defmd
www.defmodel.com

US MRAP MP Plus
Conversion set
for Kinetic 1/35

German Beuterpanzer
739(f) Somua S35
Conversion set
for Tamiya 1/35

F72306 Two Fouga Magister Pilots and a Mechanic for 1/72 Special Hobby kit (3 fig.)

7347 Harrier GR.1 – 1/72 Control Surfaces Set for Airfix kit

CMK
CZECH MASTER'S KITS
High quality cast products
NEWS!
www.cmkkits.com

RA 056
Austro-Hungarian WWI 30,5 cm Belagerungsmörser M.11 (Skoda 30,5 cm Haubitze) 1/35

Q72255
Mirage F.1B – 1/72 MB Mk.10 Seat (2pcs) for Special Hobby kit

7346 Blenheim Mk.I - 1/72 Engine Set for Airfix kit

3D modelace RA 056

Q72261 Barrels for 0.303 Browning machine guns (12pcs) 1/72

News at the Front

An in-depth look at some of the latest releases

IBG Models

1/35

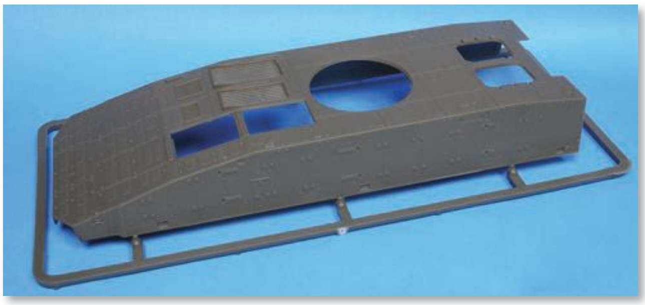
David Grummitt

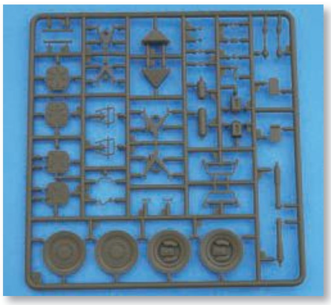
The **KTO *Rosomak*** (*KTO* for *Kołowy Transporter Opancerzonyor* Wheeled Armored Vehicle) is 8×8 multi-role military vehicle produced by WZM S.A. The vehicle is a licensed variant of Patria's Armored Modular Vehicle. In December 2002 the Polish Ministry of National Defense signed a contract to buy 690 Patria AMV vehicles to be manufactured in Poland. The main competitors of the AMV were the MOWAG Piranha and Steyr Pandur. As part of the initial order of 690 vehicles were to be delivered in two basic variants: 313 combat IFV and 377 transport/special base vehicles. In October 2013 the order was increased to 997 for delivery between 2014 and 2019, comprised of the following versions:

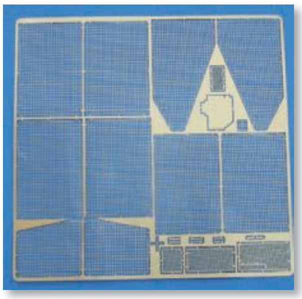
- 359 combat vehicles armed with a 30 mm gun turret, some also armed with Spike ATGM;
- 122 combat vehicles armed with an unmanned 30 mm gun turret and Spike ATGM;
- 516 base line vehicles used as a base for other variants.

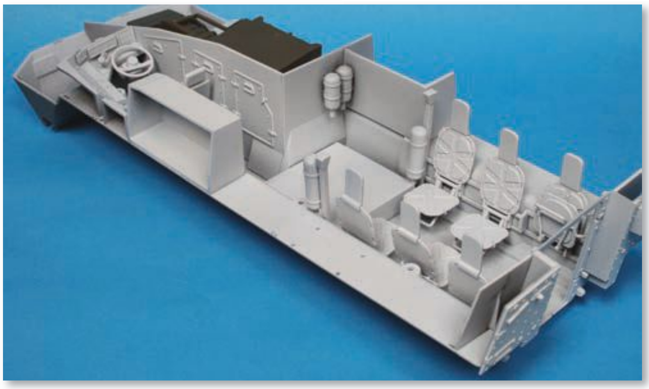
The name *Rosomak* (Polish for *Wolverine*) was chosen following a contest organized by the Nowa Technika Wojskowa magazine.

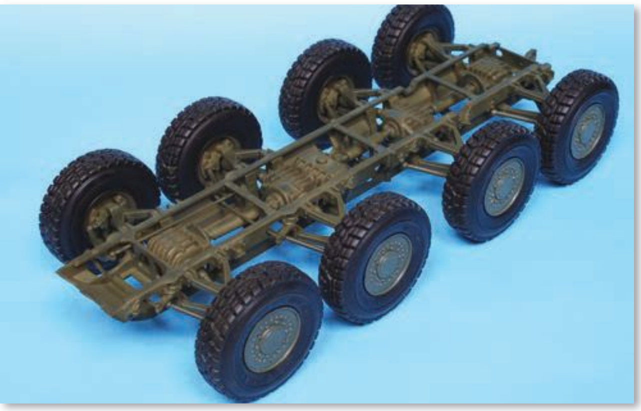
IBG Models have really pulled out the stops in producing a state-of-the-art version of this vehicle in 1/35 scale. They have sent us some sprue shots and test builds of the model and very impressive it looks too. The kit comprises thirteen olive green sprues, a separate slide-moulded turret, upper and lower hull, plastic tyres, a clear sprue for the glass parts and two sheets of photoetch (for the distinctive mesh armour). The kit comes with a pretty comprehensive interior and a highly detailed suspension. The quality of the moulding from the images we have looks superb and really marks out IBG Models as a major player in the world of plastic modelling. This looks a great kit of a really interesting vehicle and with the interest in and scope offered by the recent 'Anaconda' NATO exercises in Poland it's a very timely recent. Our thanks to IBG Models for the information and this should be available in good model shops very soon. Check out www.ibgmodels.com for more details.

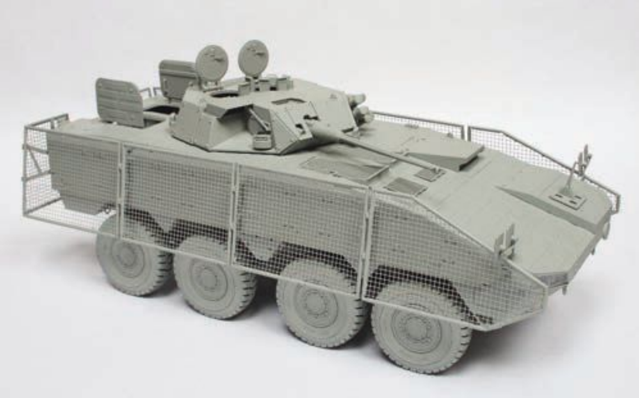








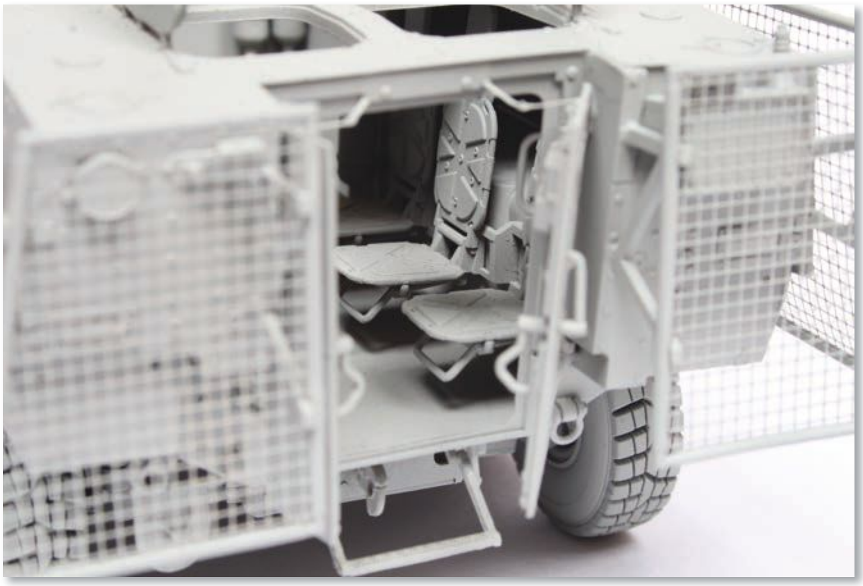


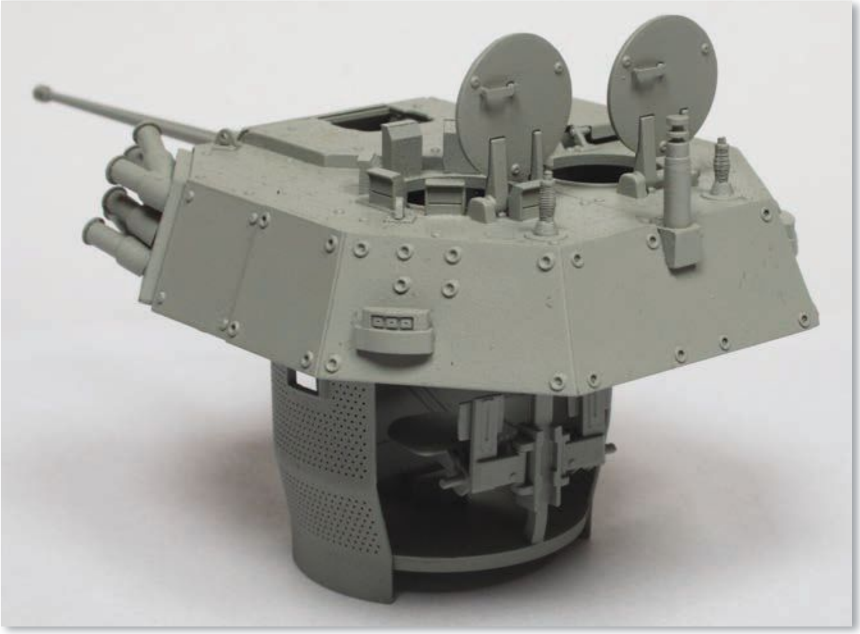


News at the Front

An in-depth look at some of the latest releases

David Grummitt





Hand picked selection for 2016

NEW TOOL
04869
Focke Wulf Fw190 F-8, 1:32

Limited Edition
04900
B-1B Bomber, 1:48

04997
Concorde, 1:72

NEW TOOL
07008
BMW i8, 1:24

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hobbycraft
and all good Toy and Model shops and online at
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News at the Front

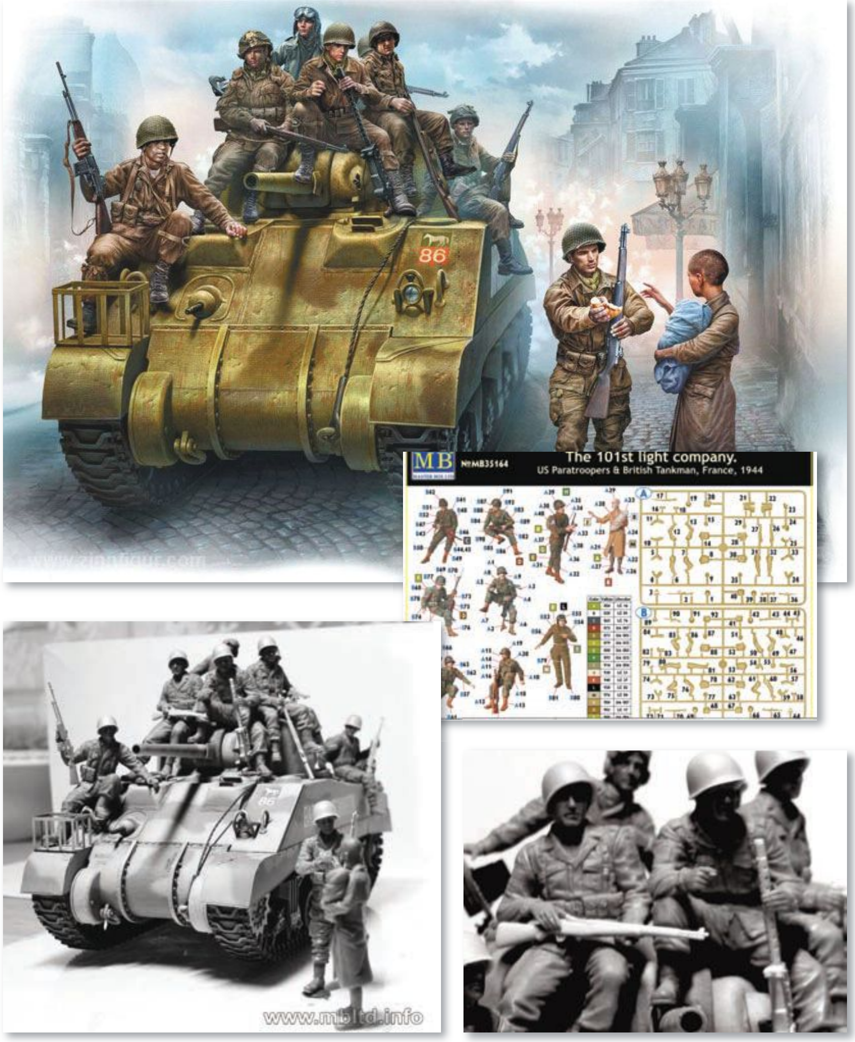
An in-depth look at some of the latest releases

Masterbox

1/35

David Grummitt

Masterbox, from Ukraine, have a well-deserved reputation for producing high-quality plastic figures which, unlike those of some other manufacturers, are designed to interact with one another, so that each kit contains, in effect, a mini-diorama in a box. **The 101st Light Company. US Paratroopers & British Tankman, France 1944 (ref. 35164)** is no exception. I. Varavin's gorgeous artwork adorns the box and shows a group of US paratroopers riding aboard a British Sherman, while one offers food to a French civilian. On opening the box you will find two sprues of light grey plastic containing no less than six seated paratroopers, one standing, a British tank commander and the female French civilian expertly sculpted by A. Gagarin. Each figure is made up, as you would expect, from two legs, a torso, two arms and a head, with the necessary equipment and weapons. The plastic is extremely crisply moulded with no flash; I hadn't examined a Masterbox release for a while and I have to say I'm extremely impressed by the strides the company has made in the last couple of years. The heads, with separate helmets, are very well done and the faces are full of expression. This is a high quality set and recommended to those looking to create an interesting addition to a Sherman kit. Our thanks to Creative Models (www.creativemodels.co.uk) for the review sample.


86
MB
MB35164
The 101st light company.
US Paratroopers & British Tankman, France, 1944
www.mbltd.info

Alclad II

David Grummitt

In an age when acrylic paints and weathering products are all the rage, it's interesting to see a manufacturer enter the fray with a new range of enamel-based paints. Alclad II are best known for their lacquer-based metallic paints, which while excellent and not the most user friendly paints on the market. Their new range, **Mil-Spec**, marketed mainly for the aircraft modelling, are enamel-based paints, ready thinned for airbrushing. They come in glass 30ml bottles and have a range of metallic colours, as well as colours for modern and World War II aircraft. I had quick go at spraying this through my airbrush and it's a nice consistency, although I must admit the enamel odour is not for me. They have also released a range of weathering pigments. **Warpigs Pigments** currently have 17 colours, ranging from mud and dust through soot and rust, and a pigment fixer. The 20ml plastic containers are full of a very fine pigment; a little will go a long way. Finally, we have **Hogwash**, a series of enamel-based washes again designed for aircraft modellers but as they're generic dust, dirt and rust shades they would come in equally handy for armour modellers. Our thanks to the Airbrush Company for the review samples (www.airbrushes.com). Check out www.alclad2-online.co.uk for further details.

Alclad II
MIL-SPEC
AIRBRUSH-READY QUICK DRYING ENAMEL PAINT
ALCE021 BS381C-450
RAF DARK EARTH
Alclad II
MIL-SPEC
AIRBRUSH-READY ENAMEL PAINT
NET 30ml
MADE IN ENGLAND. PATENT PENDING
YouTube
www.alclad2-online.co.uk

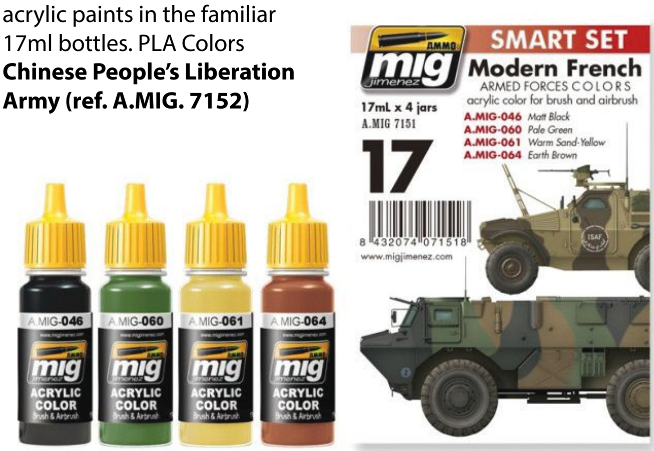
News at the Front

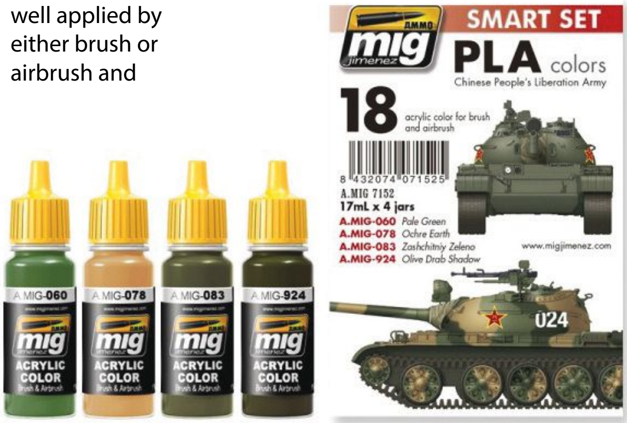
An in-depth look at some of the latest releases

AMMO of Mig Jimenez

David Grummitt

A couple of useful 'Smart' paint sets from AMMO landed on our desk recently, both very timely for some of the latest releases. **Modern French Armed Forces Colors (ref. A.MIG.7151)** contains Matt Black, Pale Green, Warm Sand Yellow and Earth Brown acrylic paints in the familiar 17ml bottles. PLA Colors **Chinese People's Liberation Army (ref. A.MIG. 7152)** contains some more esoteric colours: Pale Green, Ochre Earth, 'Zashchitiniy Zeleno' (a mid green) and Olive Drab Shadow. These will prove godsends if you are tackling some of the latest kits from Tiger Models or Trumpeter. AMMMO's paints perform equally well applied by either brush or airbrush and each bottle contains a ball-bearing to assist in mixing the paint prior to application. Our thanks to the guys at AMMO for the samples (www.migjimenez.com). They're available from good model shops.


SMART SET
mig jimenez
Modern French
ARMED FORCES COLORS
acrylic color for brush and airbrush
17mL x 4 jars
A.MIG 7151
17
A.MIG-046 Matt Black
A.MIG-060 Pale Green
A.MIG-061 Warm Sand-Yellow
A.MIG-064 Earth Brown
www.migjimenez.com
A.MIG-046
A.MIG-060
A.MIG-061
A.MIG-064
ACRYLIC COLOR


SMART SET
mig jimenez
PLA colors
Chinese People's Liberation Army
18
acrylic color for brush and airbrush
A.MIG 7152
17mL x 4 jars
A.MIG-060 Pale Green
A.MIG-078 Ochre Earth
A.MIG-083 Zashchitniy Zeleno
A.MIG-924 Olive Drab Shadow
www.migjimenez.com
A.MIG-060
A.MIG-078
A.MIG-083
A.MIG-924
ACRYLIC COLOR

Mirror Models - Reflecting Reality

CMP C60S Holmes Breakdown Wrecker 3 ton 4x4 short chassis Cab 13
PRECISION PLASTIC MODEL KIT NO. 35164

CMP C60L WATER TRUCK 3 ton 4x4 chassis Cab 13
PRECISION PLASTIC MODEL KIT NO 35165

CMP F30A LRDG TRUCK with 37mm BOFORS AT GUN
1/35 SCALE
KIT NO.35133
PRECISION PLASTIC MODEL

May, June, July 2016

Coming soon:
1/35 Ford F30A LRDG Gun truck
1/35 Ford F15 Water truck
1/35 CMP HUP (3 variants)
1/35 CMP C60S Dump Truck
1/35 CMP 6 pdr Portee
1/35 CMP C15A Personnel Lorry
1/35 CMP CGT 7B3, 7B1
1/35 CMP LAAT
1/35 CMP C60X 6x6 based trucks
Workshop, Petrol Tank, Crane

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Resin wheels
Scale blackened chains
Railway and civilian figures
PE sets for Mirror Models kits
Railway and Military resin models
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D7 accessories and figures
Le Trourneau Sheeps´foot rollers and rooter
Le Tourneau Tournapull C Scraper
German Gr Covered Wagon with brake cab

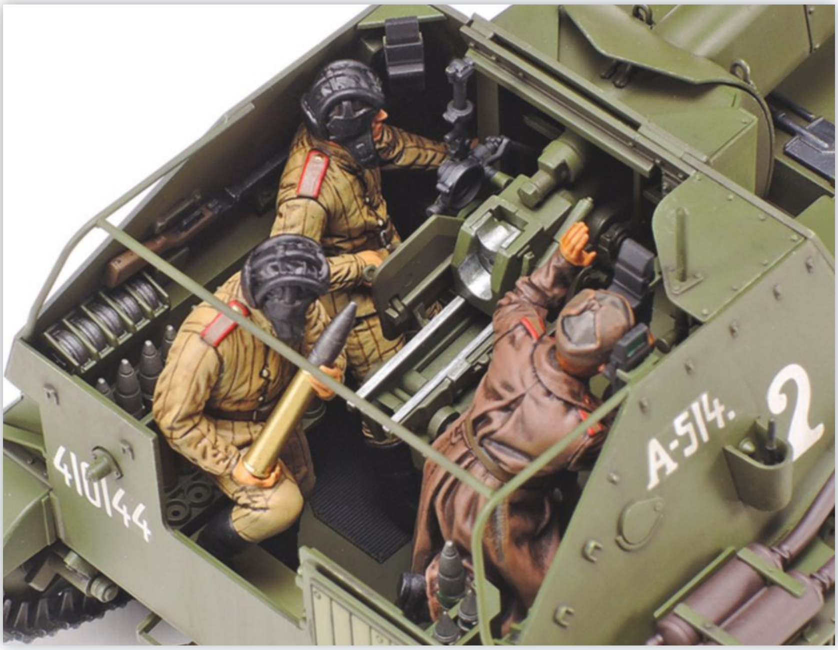
News at the Front

An in-depth look at some of the latest releases

Tamiya 1/35 David Grummitt

The SU-76 saw action from the summer of 1943 right through to the end of the War with the Red Army and continued to serve in allied armies for another decade or so. In all some 13,700 were built. Given its status as one of the most numerous of all AFVs modellers have been ill served by kits of the SU-76M in plastic. Alan Hobbies' kit of the 1990s (reboxed by Dragon and Maquette) is probably best forgotten, while MiniArt's 2008 release (ref. 35036) was a complex build and had a few inaccuracies as it was based on their T-70 kits. Tamiya's new kit, **Russian Self-Propelled Gun SU-76M (ref. 35348)**, is a very welcome release, produced with typical Tamiya skill and accuracy and very easy to build. The box contains 395 olive green plastic parts, 23 grey ones, a clear sprue, poly caps (to fit the gun in place) and some string for the tow cable. The kit represents the so-called Model 1, without the DT machine gun. Unlike most Tamiya kits, the lower hull is a 'flat pack' of six parts, while the walls to the fighting compartment similarly comprise separate panels. Given Tamiya's skill in engineering, this proves no problem in assembly. The suspension is a breeze to assemble with a little pin to ensure that the suspension arms sit correctly, while the tracks (a combination of a single run for the bottom and individual links) include a jig to ensure the characteristic sag on the top run. The gun is nicely detailed and much easier to assemble than MiniArt's version. The poly caps help it to traverse and elevate. The kit comes with three figures, surprisingly well sculpted for Tamiya and the commander is a dead ringer for none other than Vladimir Putin! Decals are provided for two vehicles: 11th Guards Self-Propelled Artillery Battalion, East Prussia 1944 (chassis number 410144, white A-514, piece number 2); Unknown self-propelled artillery battalion, Karlshorst District, Berlin 1945 (white 27 or white 30). The limited choice of markings and colour schemes (4BO Green of course) is perhaps the only quibble about what is a cracking kit. Our thanks to the Tamiya's UK distributor, the Hobby Company, for the review sample. Tamiya kits are available from all good model shops.

1/35 ミリタリーミニチュアシリーズ
ソビエト自走砲 SU-76M
RUSSIAN SELF-PROPELLED GUN
SU-76M
A-514
2
1/35 MILITARY MINIATURE SERIES NO.348
TAMIYA



News at the Front

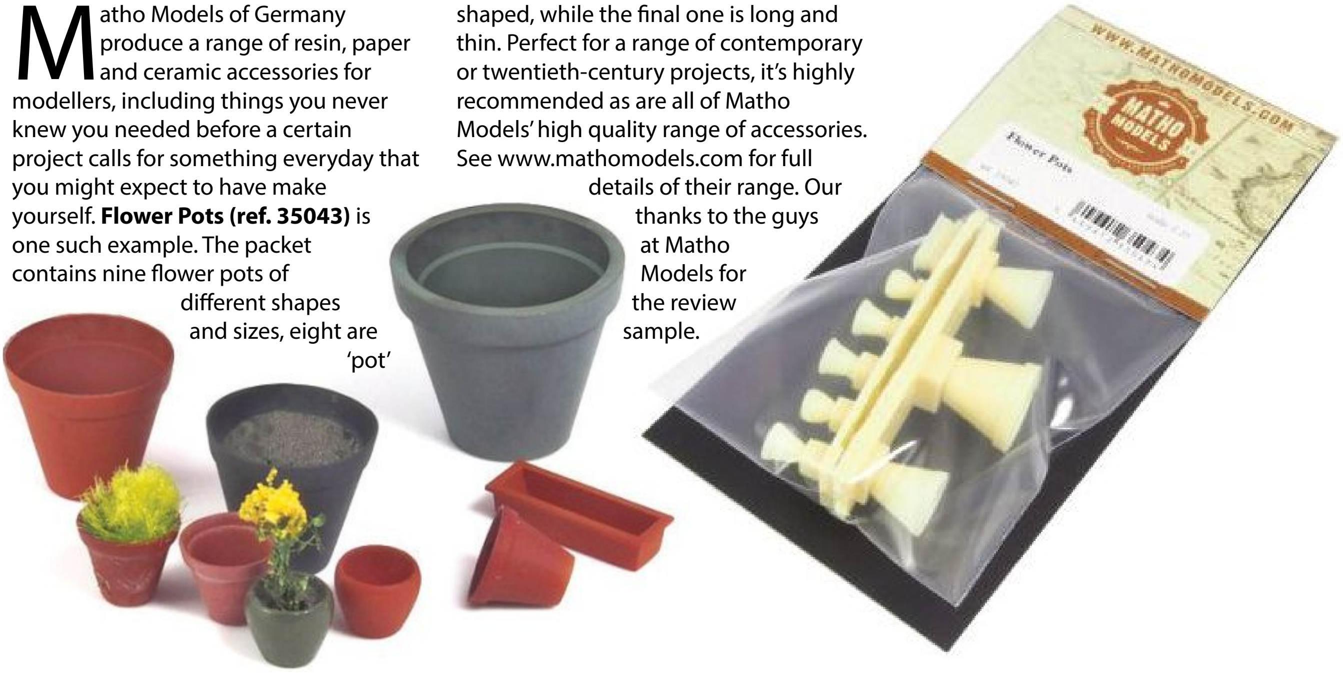
An in-depth look at some of the latest releases

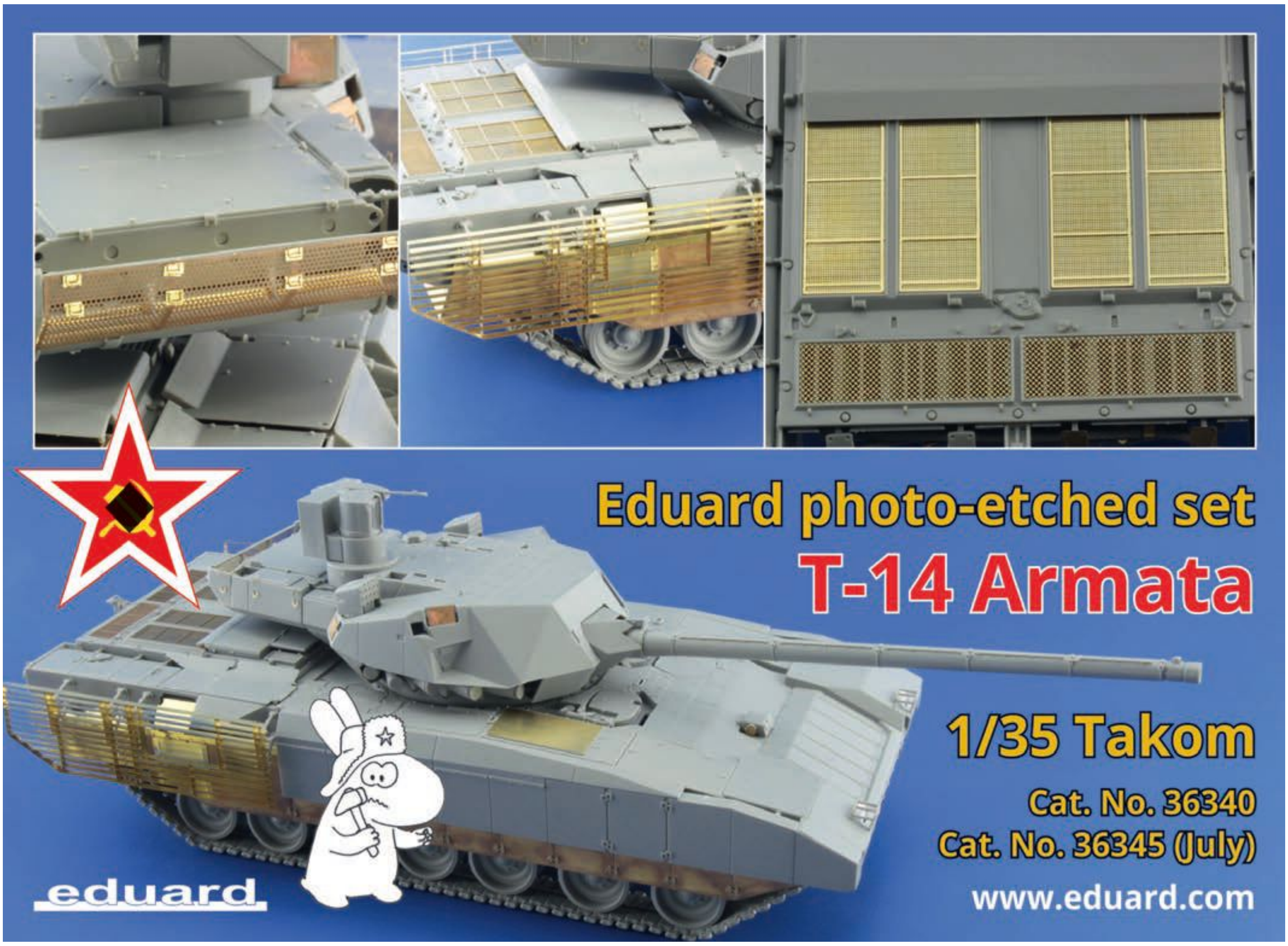
Matho Models

1/35

David Grummitt

Matho Models of Germany produce a range of resin, paper and ceramic accessories for modellers, including things you never knew you needed before a certain project calls for something everyday that you might expect to have make yourself. **Flower Pots (ref. 35043)** is one such example. The packet contains nine flower pots of different shapes and sizes, eight are 'pot' shaped, while the final one is long and thin. Perfect for a range of contemporary or twentieth-century projects, it's highly recommended as are all of Matho Models' high quality range of accessories. See www.mathomodels.com for full details of their range. Our thanks to the guys at Matho Models for the review sample.




Eduard photo-etched set
T-14 Armata
1/35 Takom
Cat. No. 36340
Cat. No. 36345 (July)
www.eduard.com
eduard

The Quartermaster's Store

A round up of the latest releases

ACE

German Grosser Limo 770K (W-150) Cabriolet F Touring

Scale:	**1/72**
Ref:	**72559**
SRP:	**£11.99**

See www.acemodel-com.ua

PATTON
AF35230

AFV Club

M60A2 Patton MBT

Scale:	**1/35**
Ref:	**AF35230**
SRP:	**£TBA**

AFV Club are distributed in the UK by Pocketbond (www.pocketbond.co.uk) and available from all good model shops.

AFV Club

Rommel's Mammoth DAK AEC Armoured Command Vehicle

Scale:	**1/35**
Ref:	**AF35235**
SRP:	**£TBA**

AFV Club are distributed in the UK by Pocketbond (www.pocketbond.co.uk) and available from all good model shops.

AF35347
HuskyMkIII

AFV Club

Husky Vehicle Mounted Mine Detector Mk III

Scale:	**1/35**
Ref:	**AF35347**
SRP:	**£TBA**

AFV Club are distributed in the UK by Pocketbond (www.pocketbond.co.uk) and available from all good model shops.

PzKpfw II Ausf.C
1:72

Attack

Pz.Kpfw.II Ausf.C – Yugoslavia, Greece 1941

Scale:	**1/72**
Ref:	**72892**
SRP:	**£TBA**

See www.attack-kits.eu

PzKpfw II Ausf.C
1:72

Attack

Pz.Kpfw.II Ausf.C – Eastern Front

Scale:	**1/72**
Ref:	**72893**
SRP:	**£TBA**

See www.attack-kits.eu

ATTACK
RESIN KIT

Attack

Kugelpanzer – Wehrmacht Reconnaissance Vehicle

Scale:	**1/48**
Ref:	**RE 48005**
SRP:	**£TBA**

See www.attack-kits.eu

ATTACK
RESIN KIT

Attack

German Fuel Set – Drums, Cans, Hand Pumps, etc.

Scale:	**1/72**
Ref:	**RE 72321**
SRP:	**£TBA**

See www.attack-kits.eu

Black Dog

Seafront Accessories Set

Scale:	**1/350**
Ref:	**S35002**
SRP:	**£TBA**

See www.blackdog.cz

Black Dog

House No.1 Accessories Set

Scale:	**1/350**
Ref:	**S35003**
SRP:	**£TBA**

See www.blackdog.cz

Black Dog

House No.2 Accessories Set

Scale:	**1/350**
Ref:	**S35004**
SRP:	**£TBA**

See www.blackdog.cz

Black Dog

House No.3 Accessories Set

Scale:	**1/350**
Ref:	**S35005**
SRP:	**£TBA**

See www.blackdog.cz

Black Dog

Houses Big Accessories Set

Scale:	**1/350**
Ref:	**S35006**
SRP:	**£TBA**

See www.blackdog.cz

Black Dog

M1A1 Abrams Accessories Set (for Dragon kit)

Scale:	**1/35**
Ref:	**T35154**
SRP:	**£TBA**

See www.blackdog.cz

Black Dog

Sd.Kfz.10 Accessories Set (for Dragon kit)

Scale:	**1/35**
Ref:	**T35155**
SRP:	**£TBA**

See www.blackdog.cz

Black Dog

US GMC CCKW Accessories Set (for Hobby Boss kit)

Scale:	**1/350**
Ref:	**T35156**
SRP:	**£TBA**

See www.blackdog.cz

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SMS005 Photo Etch Bending Tool 8" Mk R Multi-head Hold and Fold
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SMS008 Photo Etch Bending Tool - The Wrangler Wire Forming Tool
SMS009 The Nutter Set - Scale Model Nuts & Rivets
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The Quartermaster's Store

A round up of the latest releases

German sWS Supply Ammo Vehicle & Armored Cargo Version (2 in1)
1/35 SCALE

Bronco Models

German sWS Supply Ammo Vehicle & Armored Cargo Version (2 in 1 kit)

Scale:	**1/35**
Ref:	**CB35214**
SRP:	**£TBA**

See www.ibg.com.pl

Panther Ausf.A Early Production
DRAGON

Dragon

Sd.Kfz.171 Panther Ausf.A (early production)

Scale:	**1/72**
Ref:	**7499**
SRP:	**£TBA**

See www.dragon-models.com

Drakkar Models

Panzer I Turret with MG 34 - Panzerstellung

Scale:	**1/35**
Ref:	**DM006**
SRP:	**£TBA**

See www.drakkar-models.com

Drakkar Models

Hotchkiss FT-17 U-Ringstand No.1

Scale:	**1/35**
Ref:	**DM020**
SRP:	**£TBA**

See www.drakkar-models.com

Drakkar Models

Reibel FT-17 U-Ringstand No.2

Scale:	**1/35**
Ref:	**DM021**
SRP:	**£TBA**

See www.drakkar-models.com

Drakkar Models

37mm FT-17 U-Ringstand No.3

Scale:	**1/35**
Ref:	**DM022**
SRP:	**£TBA**

See www.drakkar-models.com

Drakkar Models

MG 34 FT-17 U-Ringstand No.4

Scale:	**1/35**
Ref:	**DM024**
SRP:	**£TBA**

See www.drakkar-models.com

Drakkar Models

MG 34 FT-17 U-Ringstand No.5

Scale:	**1/35**
Ref:	**DM025**
SRP:	**£TBA**

See www.drakkar-models.com

Drakkar Models

37mm FT-17 U-Ringstand No.6

Scale:	**1/35**
Ref:	**DM026**
SRP:	**£TBA**

See www.drakkar-models.com

Drakkar Models

Hotchkiss FT-17 Turret No.1

Scale:	**1/35**
Ref:	**DM028**
SRP:	**£TBA**

See www.drakkar-models.com

Drakkar Models

Reibel FT-17 Turret No.2

Scale:	**1/35**
Ref:	**DM029**
SRP:	**£TBA**

See www.drakkar-models.com

German SS soldier WW2 (1944-1945)

Evolution Miniatures

German SS Soldier WW2 (1944-1945)

Scale:	**1/35**
Ref:	**EM-35125**
SRP:	**£TBA**

See www.evolution-miniatures.com

Russian soldier (Chechnya)

Evolution Miniatures

Russian Soldier (Chechnya)

Scale:	**1/35**
Ref:	**EM-35126**
SRP:	**£TBA**

See www.evolution-miniatures.com

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HADMODELS FIRE EXTINGUISHER 1:48
1
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with decals

HAD Models

Fire Extinguisher (x2)

Scale:	**1/48**
Ref:	**48001**
SRP:	**£TBA**

See www.hadmodels.com

Soviet Six-Wheel Army Truck
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Soviet Six-Wheel Army Truck

Scale:	**1/35**
Ref:	**35001**
SRP:	**£32.39**

See www.icm.com.ua

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See www.leopardclub.ca

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COASTAL CRAFT
CC 72001
Coastal Craft
VOSPER
72ft 6ins MTB
Decals included for Peter Dicken's MTB 234, 21st Flotilla, April/May 1943
1941 Contract boat built by the Berthon Boat Company, Lymington
Produced by COASTAL CRAFT
1:72 SCALE

SHIPPING FORECAST

An occasional foray into the world of ship models and modelling

Edited by **Jonathan Tarr**

Coastal Craft introduced the first, in what is now a rapidly growing range of 1/72 scale, mixed medium (resin and etch brass) MTB and MGB construction kits a couple of years ago. Their first releases, on which the models in this feature are based, represent the Vosper 1941 Class, '72 foot 6 inch' design, with integrally-moulded basic deck fittings specifically representing the MTB 73 to 98 and MTB 222 to 245 production boats.

The kit includes a one-piece resin deck and a one-piece hull. Being such large resin castings, the heat generated during the cooling-curing process, can slightly distort their mating edges and therefore careful test-fitting and judicious sanding and filing will almost certainly be required to attain a perfect fit.

Indeed before the deck is glued to the hull, the portholes need to be drilled out – they're marked by indentations on the inside of the hull. However, not all 72ft 6in Vospers were fitted with portholes, so if you're modelling a different boat to the one in the kit, you'll need to check whether portholes were fitted or not. As the boats I was modelling were, I duly drilled them out.

Also, the rear of the hull moulding is slightly longer than the deck moulding. This is another legacy of large resin castings, where the shrinkage rate during the cooling-curing process can vary slightly, so casting allowances were made and the modeller is required to trim the hull to match the exact length of the deck. A transom, made from plastic card, cut and sanded to shape, can then be fitted.

The next job is to fill, sand and file smooth the 'staggered' forward deck/hull join line to erase any indication of it. That done, the etch brass porthole surrounds can be superglued on, plus the exhaust ports. Note again, not all 72ft 6in Vospers were fitted with the same style and indeed number of exhaust ports, depending upon the boatyard and how many engines were fitted, so again, if you're modelling a different boat to the one in the kit, you'll need to check whether this style, and how many, exhaust ports were fitted. Similarly with the propeller and rudder fittings – if you're modelling a full hull. In my case I left off the propellers and rudders as I was mounting my models on a sea base.

All the resin parts were cut/sawn from their pouring blocks and any excess flash removed. Then the parts were undercoated, along with the hull and deck. I used Halfords acrylic Grey Primer for this job.

The 'Coastal Craft' kit instructions are more than adequate, so I won't bore you with a 'blow-by-blow' account of the build, suffice to say that after fitting the deck to the hull and sanding down the forward join line, the rest of the construction is basically an attaching of parts exercise.

Painting the MTB

Due to the difficulties in painting all the fittings when they are attached to the deck, I found it best to paint them *all* before they are attached. This allows for neater paint demarcation lines, especially as some of the parts are quite small and are located close to other parts.

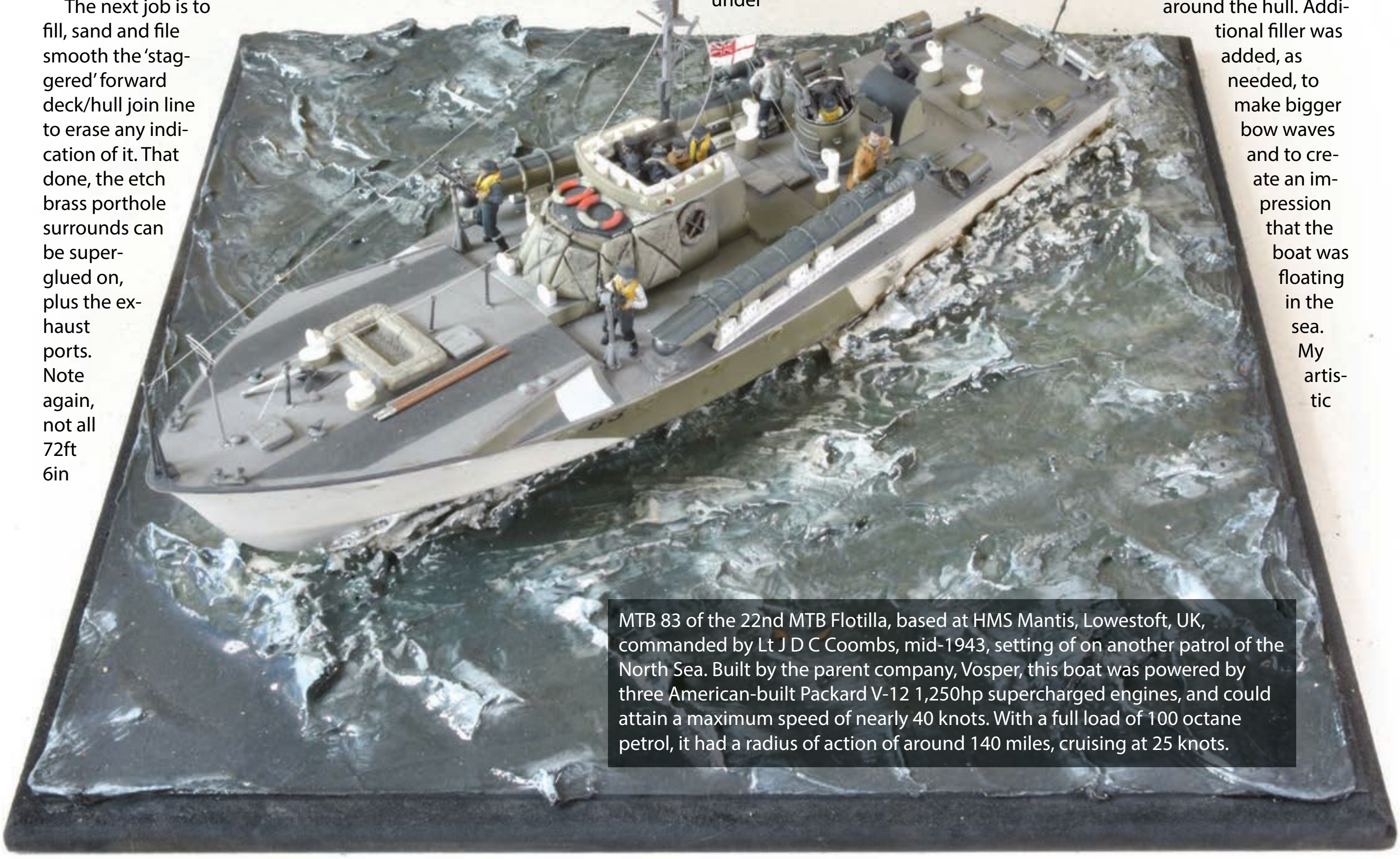
As regards paints, 'Coastal Craft' market their own range of acrylic Royal Navy MTB/MGB shades under the 'AKAN' label, and this was the range I used.

In mid-1943, the Coastal Forces Craft camouflage schemes were introduced. These schemes were designed for MTBs, MGBs, HDMLs and the larger Fairmile gun boats and brought a degree of camouflage standardisation to Coastal Forces craft. There were three styles of camouflage pattern, using three basic colours – White, G45 (a grey-green/slate grey shade), and B15 (a blue-grey shade).

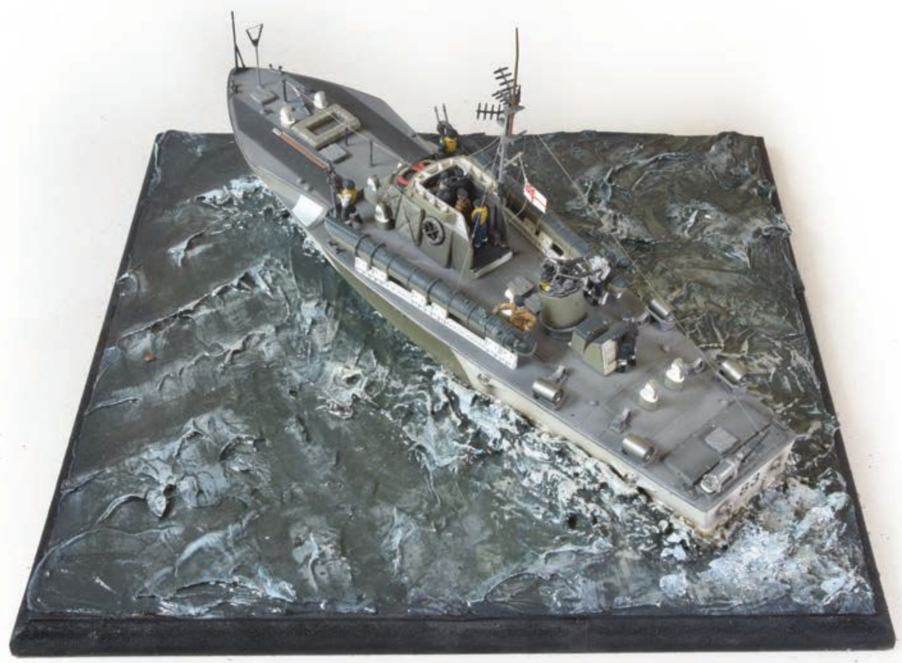
I finished my model as MTB 83 of the 22nd MTB Flotilla, based at HMS Mantis, Lowestoft, commanded by Lt J D C Coombs, in the mid-late 1943 period. By the summer/autumn of 1943, MTB 83 was finished in the 'Light Design', comprising a white hull with a trapezoidal shaped G45 slate grey panel amidships. The decks and the various deck fittings were a mixture of B15 and 507A, a dark grey shade. The wheelhouse/bridge was G45, with a B15 wheelhouse roof. The torpedo tubes were white underneath with horizontally-striped G45 along the middle, and B15 on the top.

I fashioned shrapnel mats from squares of Miliput, lightly scored and creased to represent the 'mattress' material, which I fitted around MTB 83's wheel/charthouse. The Pennant Number '83' was positioned on either side of the hull just under the torpedo clearance cut-out, and on the transom.

The sea base was made from ready to use plaster filler, applied to a wooden base board with a palette knife and then sculpted in to a sea diorama. When the filler was just starting to harden, but still pliant, the finished boat was pushed in to position in the filler, and waves flicked up around the hull. Additional filler was added, as needed, to make bigger bow waves and to create an impression that the boat was floating in the sea. My artistic



MTB 83 of the 22nd MTB Flotilla, based at HMS Mantis, Lowestoft, UK, commanded by Lt J D C Coombs, mid-1943, setting of on another patrol of the North Sea. Built by the parent company, Vosper, this boat was powered by three American-built Packard V-12 1,250hp supercharged engines, and could attain a maximum speed of nearly 40 knots. With a full load of 100 octane petrol, it had a radius of action of around 140 miles, cruising at 25 knots.



MTB 83's main armament was two 21 inch LC Mk VIII torpedoes, fitted with a 750lb warhead, which ran at 45 knots. The 'gun tub' mounted amidships was armed with a pair of Vickers 0.5 inch machine guns and twin Vickers 0.303 inch machine guns were mounted on pintels on the deck either side of the wheelhouse. Up to four Mk VII depth charges could be carried.

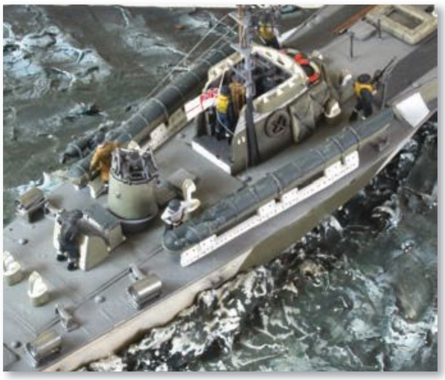
skills in creating a seascape are still very much in the novice stage and are best regarded as an ongoing work in progress.

Determining the colour of the North Sea was also fun! Depending upon lighting conditions it can change from a muddy brown, through olive drab, dark green and blue-grey to a dark blue-green. I settled for a mix of them all, topped with white bow waves and liberally covered in gloss varnish to make it look wet. Representing a realistic bow spray is beyond my (current) skills, but I'm working on it and experimenting with various mediums, but at the moment, and in this particular case, I know the seascape looks a bit naff.

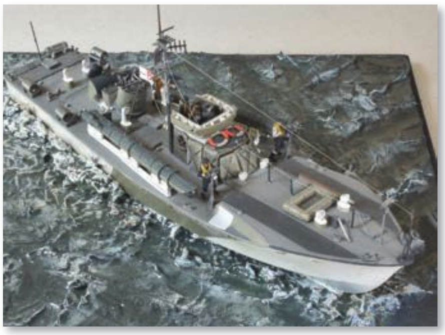
As I was mounting the model on a sea base, and 'in action' it needed a crew. The figures came from a mix of the Airfix Vosper 73 foot and RAF Air Sea Rescue Launch kits, and the superbly sculpted and cast, white metal figures from Gunthwaite Miniatures, who make several sets of 1/72 white metal figures in a variety of poses, which are unreservedly recommended. As with the seascape base, my figure painting skills need some, (for 'some' read 'a lot of'), work, but if nothing else they do give a sense of scale to the models.

Although I'm not yet ready to swap modelling aeroplanes for boats/ships entirely, especially as I generally model in 1/48 and these boats are 1/72, I will certainly be making some more – in fact I have already started on another two Vosper MTBs and a British Power Boat Company MGB, which is one of the latest releases from 'Coastal Craft', which may yet make its way on to these pages...

www.coastalcraftmodelsuk.com

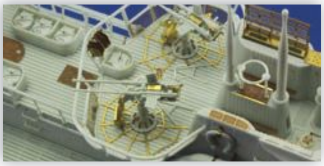


MTB 83 was finished in the the Coastal Forces Craft Light Design, with white hull and the trapezoidal shaped G45 grey-green panel amidships. The decks and various deck fittings would almost certainly have been a dark grey shade with the wheelhouse/bridge in G45 and white and the charthouse roof in B15. The torpedo tubes were white on the undersides, G45 along the middle and B15 along the top. From the reference photos I used MTB 83 appears to have been fitted with Type 286 radar, the V-shaped mounting being located at the bow



On MTB 83 shrapnel mats were attached around the charthouse windows, and to represent these I fashioned squares of Milliput, lightly scored and creased to represent the 'mattress' material. Additional life belts were added to the charthouse roof and a Carley life raft was carried on the fo'c'sle

EDUARD



Eduard have new sets out for two key nautical releases this month. Revell's impressive 1/72 Type IX U-Boat gets the works with three sets for the exterior while the Japanese Kagero in 1/350 from Tamiya gets two very full sets that will make a huge difference in the smaller scale.

Eduard's sets are very well designed and tend to be very user-friendly. Instructions are clear and precise and any modeller not familiar with etch as a medium is recommended these products as a first foray into the field. The only problem is that when you have tried it once you will never be able to live without it again!

1/72

#53158 German Submarine Type IX C/40 hull pt. 1 for Revell kit

#53159 German Submarine Type IX C/40 hull pt. 2 for Revell kit

#53160 German Submarine Type IX C/40 tower for Revell kit

1/350

#53161 IJN *Kagero* pt.1 for Tamiya kit

#53162 IJN *Kagero* pt.2 for Tamiya kit

Looking ahead to future releases the following sets are due from Eduard in the next couple of months:

#53110 1/200 *USS Arizona* Part 4 - main top (for Trumpeter kit)

#53163 1/72 *DGzRS Hermann Marwede* 150 Jahre (for Revell kits)

#53164 1/72 *DGzRS Hermann Marwede* 150 Jahre (for Revell kits)

#53165 1/350 *HMS King George V* Cranes and Railings (for Tamiya kits)

#53166 1/350 IJN *Mikuma* Railings 1/350 (for Tamiya kits)

#53167 1/350 IJN *Mikuma* Superstructure (for Tamiya kits)

#53168 1/350 *HMS King George V* (for Tamiya kits)

#53169 1/350 *HMS King George V* Lifeboats (for Tamiya kits)

Hannants/Creative Models/Sprue Brothers/Squadron

www.eduard.com

PONTOS MODEL

23007F1 1/200 HMS Rodney 1942 Detail Up Set

New from Pontos is this stunning set for the 1/200 Trumpeter HMS Rodney. The comprehensive package include nearly 400 etched parts on fourteen frets, thirty four resin parts, brass screws, gun barrels and stained wooden deck. Pontos have really 'pushed the boat out' with this set, and the extent of the detail is staggering – right down to the canopy framing and rigging wires for the ship's Walrus floatplane.

A truly classic set for one of the great British Warships, and an awful lot of modelling for your money. These are premium sets and offer excellent value for money, as well as the potential to build a breathtaking model that will be light years 'beyond the box'.

Hannants/Sprue Brothers

www.pontosmodel.com

ACADEMY

1/700th Scale
#14216

#14216 ROKS Dokdo (LPH-6111) Amphibious Assault Ship Dokdo Class Landing Platform Helicopter

Academy's latest kit in 1/700 is a contemporary ROK assault ship . The kit is a full-hull release and comes with stand, helicopters and a choice of waterslide transfers or stickers.

The ROK Navy required a versatile landing ship with amphibious capabilities in its program to build a blue-water navy. In the end Hanjin's Dokdo design was chosen for this need. LSF-II 631-also built by Hanjin- was chosen as the LCAC to operate from the ship.

As a high-speed amphibious ship, LPX was based on the concept of 'over-the-horizon assault - military operations in which an amphibious landing is conducted with high-speed air-cushioned vehicles and helicopters from beyond the horizon, where they can't be easily detected or attacked by the enemy.

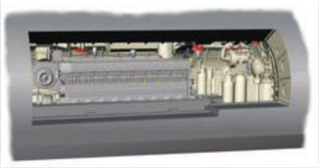
The LPX can carry 720 marines (+300 crew members), ten tanks, ten trucks, seven AAVs, three field artillery pieces, and two LCAC hovercraft capable of landing on enemy shores doing forty knots - a mix that enables it to launch troop landings from both sea and air. She can also carry ten helicopters when there are no ground vehicles on her hangar deck.

The flight surface is also sprayed with urethane, which can support VTOL jets, and South Korea is considering the purchase of F-35B fighters to operate from its Dokdo-class ships. Currently the LPX operates mainly UH-1H and UH-60Ps however, both of these are designed for land-based operations and lack abilities for ship-borne operations such as protection against salt corrosion but the KUH-Amphibious, the sea-based amphibious variant of the KAI Surion, is now under development.

The vessel is similar in size to light aircraft carriers derived from the Sea Control Ship such as the Spanish Navy's former aircraft carrier *Príncipe de Asturias* and the Royal Thai Navy's *Chakri Naruebet*.

Creative Models/MRC

CMK



New releases from CMK offer some excellent details and upgrades in 1/72 for Revell's Type IXC U-Boat:

#72017 Type IXC engine section

Highly detailed set for the compartment housing the diesel engines that propelled the submarine on the surface. The set contains the engine section floor with an alleyway between the engines, two pressure bulkheads with hatches and water-tight doors (with option to leave them open or closed), air-distribution pipings and fans, fuel and oil pumps and pipings and one of the diesel engines (the port one). The other engine is left out to make all the aforementioned details nicely visible. If you wish to fit both engines to your model CMK recommend set **#72027** WW II Diesel Engine MAN M9V46.

#72018 Type IXC Weapons Set

Includes single 37mm and 20mm AA cannons.

#72020 Type IXC Weapons Conversion Set

Includes new 105mm cannon and Flak Vierling 4 x 20mm gun

#7222 Type IXC Galley

This highly detailed set covers the submarine's galley and contains two watertight bulkheads with sealed doors, floor, ladder to the upper manhole with watertight hatch, stove, sink, fridge with compressor and vents, all necessary for the kitchen operation during the cruises.

www.cmkkits.com

Hannants/Squadron

FREEDOM MODELS

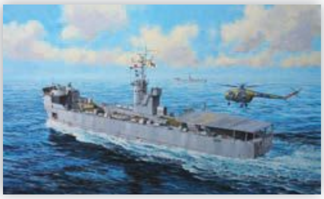
FREEDOM ModelKits
1/700 SCALE
D650 AQUITAINE

The latest 1/700 release from Freedom is **#83001,** the FREMM D650 *Aquitaine*. The FREMM *(Frégate européenne multi-mission)* is a class of multi-purpose frigates designed by DCNS/Armaris and Fincantieri for the navies of France and Italy. The lead ship of the class, *Aquitaine*, was commissioned in November 2012 by the French Navy. Italy has ordered six general purpose variants and four anti-submarine variants while France has ordered six anti-submarine variants, and two air-defence. Freedom's kit can be built as either a full hull or a waterline model and includes etched parts and a stand.

Hannant/Sprue Brothers

www.freedommks.com

REVELL



Revell have reboxed their 1/144 LSM as a postwar German *Eidechse* Class landing ship, now depicting one of the vessels that was taken over from the US Navy's inventory in 1958.

Kit features include:

Two part hull

Detailed propulsion unit

Moveable ruder

Detailed cargo deck

Opening bow doors and ramp

Authentic 40 mm twin cannon

3x M47 Patton battle tanks

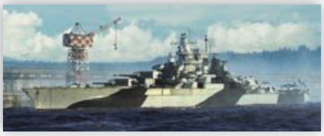
3x HS 30 Armoured personnel carriers

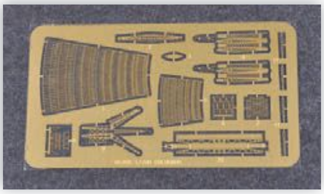
3x 5t gl Emma cargo vehicles

The L750 version includes a helicopter landing platform and a Bristol 171 Sycamore helicopter – something many small scale aircraft modellers will be looking to see released on its own!

www.revell.de

TRUMPETER





#05782 USS Tennessee

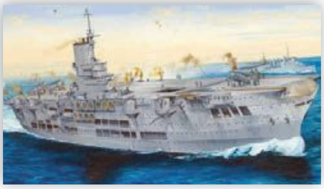
Trumpeter's new kit is a 1/700 model of the USS Tennessee, laid down in Brooklyn shipyard in 1917 and launched in 1920.

In 1941, the Japanese Navy attacked Pearl Harbor but *USS Tennessee* escaped with comparatively minor damage and returned to the US for repair before taking part in the subsequent Guadacanal campaign. Following a further refit this ship participated in the Aleutians, Gilbert and Marshall Islands campaigns, the Mariana Islands and Palau, the battle of Leyte Gulf, Lingayen Gulf and the battle for Iwo jima. During the battle of Okinawathe ship received some damage from a kamikaze aircraft attack, but survived the war to return home in 1947where she was retired and subsequently scrapped in 1959.

Trumpeter's kit allows full hull or waterline options and includes etched parts and two OS2U floatplanes.

Pocketbond/Stevens International

MERIT



Two kits to look out for from Merit:

#62004 1/200 Japanese Battleship Mikasa (1905)

Built for the Imperial Japanese Navy (IJN) in the late 1890s, the ship served as the flagship of Admiral Tōgō Heihachirō throughout the Russo-Japanese War of 1904–1905, including the Battle of Port Arthur on the second day of the war and the Battles of the Yellow Sea and Tsushima. Days after the end of the Russo-Japanese War, *Mikasa's* magazine accidentally exploded and sank the ship. She was salvaged and her repairs took over two years to complete. Afterwards, the ship served as a coast-defence ship during World War I and supported Japanese forces during the Siberian Intervention in the Russian Civil War.

After 1922, *Mikasa* was decommissioned in accordance with the Washington Naval Treaty and is now fully restored as a museum ship and can be visited at Mikasa Park in Yokosuka.

#65307 1/350 HMS Ark Royal 1939

Designed in 1934 to fit the restrictions of the Washington Naval Treaty, *Ark Royal* was built by Cammell Laird and Company Ltd. at Birkenhead, England, and completed in November 1938. Designed to carry a large number of aircraft, she had two hangar deck levels. *Ark Royal* served in some of the most active naval theatres of the Second World War and was involved in the first aerial and U-boat kills of the war, operations off Norway, the search for the German battleship *Bismarck*, and the Malta Convoys. She was torpedoed on 13 November 1941 by the German submarine U-81 and sank the following day.

Pocketbond/Stevens International

MK.1 DESIGN

New releases from Mk.1ofer a mass of excellent details for the 1/200 HMS Rodney from Trumpeter:

MD-20012 1/200 USS CV-8 Hornet Wooden Deck

MD-20013 1/200 HMS Rodney DX Pack

MD-20014 1/200 HMS Rodney Value Pack

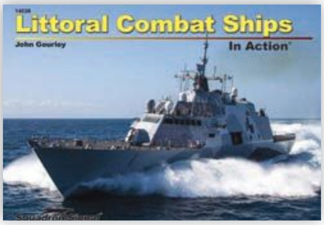
MS-20012 1/200 WW II US Deck Plane Set 1

MS-20013 1/200 HMS Rodney Armament

MS-20014 1/200 HMS Rodney Mast and Radar Set

www.ka-models.com

SQUADRON SIGNAL

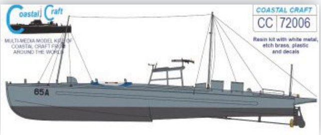


Littoral Combat Ships In Action - Squadron Signal - SS14036

Sea power in the 21st Century is rapidly taking on a new look, vastly different from the massive and ponderous navies of the past. Littoral combat ships or LCSs are a class of small surface vessels that are meant to operate in coastal areas where they can neutralize the many fluid localized threats that are so characteristic of the modern age. Designed for deployment in place of the destroyer or cruiser, the LCS was envisaged by the Navy as a networked, agile, stealthy surface combatant capable of defeating anti-access and asymmetric threats in the littorals. The US Navy operates two basic classes of LCS: the Freedom class and the Independence class, the latter being characteristically a trimaran. In keeping with the basic LCS concept, crew size, like the size of the vessel itself, is to be small. Deployments will thus involve fifty percent fewer ships and twenty five percent smaller crews than previously as the technical sophistication, versatility, and speed of the LCS is to make up for the difference in quantity. LCS versatility partly consists in the vessel's ability to be reconfigured for different duties and roles by changing mission modules. Mission modules consist of weapon systems, sensors, etc, that are designed for specific types of task. Specific personnel will accompany relevant modules. Modules have been designed for anti-submarine warfare (ASW), mine hunting (MCM), surface warfare (SUW) and special warfare missions. *Littoral Combat Ships in Action* puts you inside these cutting-edge fighting ships and introduces their various configurations and their modern weapons systems. Includes over 250 photographs and eighty pages.

www.squadron.com

COASTAL CRAFT



The next release in 1/72 from this source will be **#72006**, the Thornycroft CMB 65A

www.coastalcraftmodelsuk.com

HASEGAWA

Few ships afloat have given rise to as many stories as the legendary *Mikasa*. Not only can we look forward to the Merit 1/200 kit, but Hasegawa have a 1/700 waterline kit due as well. Such is the reverence for this vessel in naval circles that it is still on display over 100 years after it was commissioned. It is the last pre-dreadnought battleship in the world and now you can build a waterline-hull version of your own! The kit features two sets of decals:

IJN Combined Fleet Flagship The Battle of the Japan Sea May 27-28, 1905

IJN Combined Fleet Flagship The Battle of the Yellow Sea August 10, 1904

www.hasegawausa.com

L'ARSENAL

One of the most essential sources of ship-modelling kits and accessories is this French manufacturer, and a tour of the website can be a real eye-opener as to what is possible in this branch of the hobby nowadays. New items due soon are:

#400 19 1/400 Georges Leygues frigate

Leading ship of a series of seven ASW frigates, the *Georges Leygues* remained in service with the French Navy for about thirty years and was decommissioned in 2014. The upcoming 1/400 model from L'Arsenal has been CAD designed, with prototype parts printed with the best 3D printers on the market. The kit will contains many resin and PE parts. It will be possible to put the stern sonar in either the stored or operational position, and a very detailed Lynx helicopter will be provided.

The kit represents the frigate as commissioned, but the manufacturer plan to release the other versions in the months to come.

#48 10 1/48 Guinault Starting Unit

The Guinault starting unit is among the newest material in service in the French armed Forces (Air Force, Navy and Army) to support aircraft and helicopters. Resin kit, with PE parts and decal.

www.larsenal.com

GALLERY MODELS

Gallery Models is a concept developed by Model Rectifier Corporation (MRC) together with prominent designers, mould-makers, historians and modellers.

Gallery's new 1/350 kit of the USS New York really goes to town in this larger scale.

USS New York, LPD-21, is remarkable for having been partially forged of steel from the Twin Towers. To honour the victims of 9/11, the bow was formed using around seven tons of steel salvaged from the World Trade Centre. The *USS New York* is the fifth ship in the San Antonio class of Landing Platform Dock vessels.

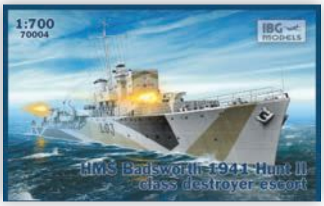
The kit comprises over 700 parts and includes two LCAC hovercraft, one LCU landing craft and two USMC AAV-7 Amphibious Assault Vehicles. Ship's aircraft include two AH-1W Cobra gunships, two MV-22 Osprey tilt-rotors, two CH-46E Sea Knight helicopters, two Sikorsky CH-53E Helicopters and two UH-1N Huey helicopters. All rotary aircraft have optional parts to display the aircraft with rotors stowed.

Additional features include positionable stern ramps opening to the detailed well deck for the two LCAC hovercraft, a fully detailed aircraft hangar deck with positionable door, multiple small Zodiac-type boats, life rafts and the latest in self-defence missile, gun and electronic systems. The kit also includes two photo-etched frets for ladders, railings and vent grilles and a length of real chain for the anchors. Completed model length: 23.5 inches; beam: 3.6 inches.

www.modelrectifier.com

Pocketbond/MRC

IBG


1:700
70004
IBG MODELS
L03
HMS Badsworth 1941 Hunt II class destroyer escort

Two new arrivals from IBG depict the Hunt Class WW2 escort destroyer. The kits are nicely detailed little waterline models and it is good to see another boxing added to this range offering HMS Badsworth. Of note is the etched fret included, offering handrails, ladders and various other parts that will add superb detail to this little model.

The Hunt was one of best known class of destroyer escort of the Royal Navy from the conflict. Eighty six were completed, of which seventy two were commissioned into the Royal Navy and the remaining fourteen were transferred to allied navies - Norwegian, Polish, Greek and Free French. Armament was six QF 4 inch Mk XVI guns on twin mounts, four QF 2 pdr Mk VIIIs on quad mounts, 20 mm Oerlikons on single mounts and depth charges. Seven ships of this type were lost in World War II.

HMS Badsworth service started in March 1942, when she began her convoy duty in the North Western Approaches. In June 1942 she was transferred to the Mediterranean to take part in Operation Harpoon, an attempt to bring vital supplies to the island of Malta, besieged by German and Italian forces. The operation ended with heavy losses on the Allied side - only two out of six transport ships reached Malta. *HMS Badsworth* hit a mine, sustaining heavy damage, and was towed back for necessary repairs. She re-entered service to join a convoy headed to Murmansk in November 1942. In March 1943 she was ordered to join another convoy to Malta, where she was damaged on a mine again. After being repaired in Liverpool she was transferred to the Royal Norwegian Navy, where she served under the name of *HNoMS Arendal*.

New releases are:

#70003 1/700 *ORP Krakowiak* 1944 Hunt II class destroyer escort

#70004 1/700 *HMS Badsworth* 1941 Hunt II class destroyer escort

Hannants/Steven International

Toldi III

Ivan Momcilovic Momcha builds IBG Models' Small-Scale Toldi.

The 38M Toldi was a Hungarian light tank based on the Swedish Landsverk L-60B tank. Named after the 14th century Hungarian knight, Miklós Toldi, it was developed and manufactured under licence from the Swedish company AB Landsverk between 1939 and 1942. With just over 200 produced in total, the initial version, Toldi I (k.hk. A20) entered service in 1940. Armed with a 20mm main gun and an 8mm machine gun, it was followed by the Toldi II (k.hk. B20); essentially the same vehicle, but with thicker frontal armour. The Toldi IIa (k.hk.B40) appeared in 1942, and was the result of rearming several of the previous vehicles with a 40mm gun. The final version, Toldi III (k.hk.C40) received a further armour upgrade. However, a combination of material shortages and Allied bombing raids meant that only 12 of these were actually produced.

First used during Hungary's occupation and annexation of Yugoslavian territories in 1941, the Toldi was mainly deployed against Russian Forces from 1941 to 1944. Because of its light armour and good communications equipment, it was an effective reconnaissance vehicle. However, it was certainly no match for Soviet T-34s encountered during the early stages of Operation Barbarossa.

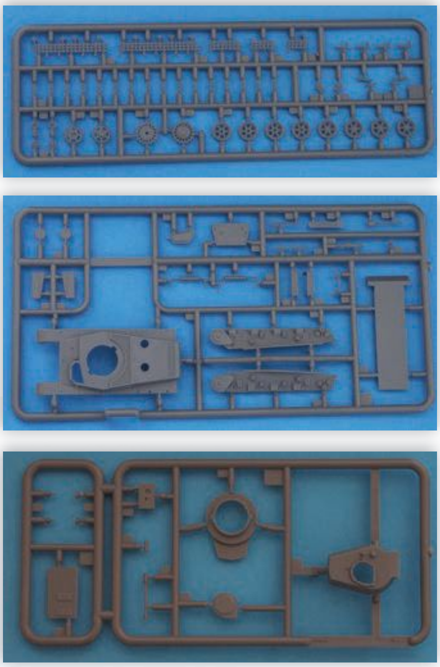
There are only two surviving examples of the tank (a Toldi I and a Toldi IIa), both on display at the Kubinka Tank Museum.

The Model

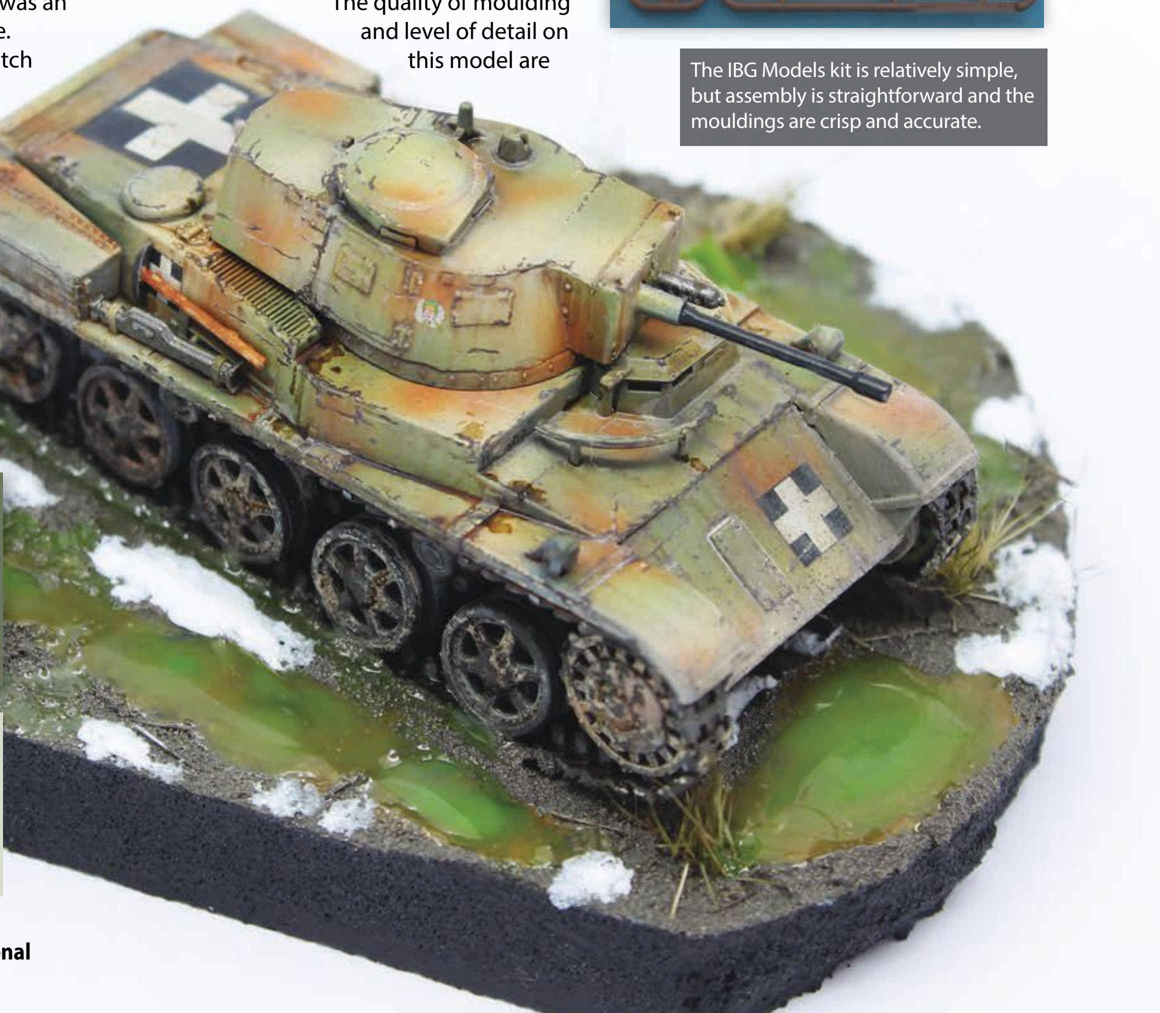
Like many modellers of my generation, I was introduced to the hobby via 1/72-scale kits. Having improved my building and painting skills, I moved on to the larger scales, but recently decided to try out some of IBG Models' small-scale kits. One that particularly caught my eye was their 2016 release, 'Toldi III – Hungarian Light Tank' (ref. 72030).

The kit comprises five injection-moulded sprues, which include multi-part hull and turret assemblies; a one-piece main gun barrel; two-part road-wheels, sprockets and idlers; link-and-length tracks; and various hatch covers, tools, lights and stowage bins. Assembly instructions are by way of a series of clearly presented diagrams, and are accompanied by painting/marking schemes (with appropriate decals) for two unidentified units.

The quality of moulding and level of detail on this model are generally very good. Assembly proved to be fairly straightforward, though I did have difficulty levelling the road-wheel torsion bars, as the location points are somewhat vague.



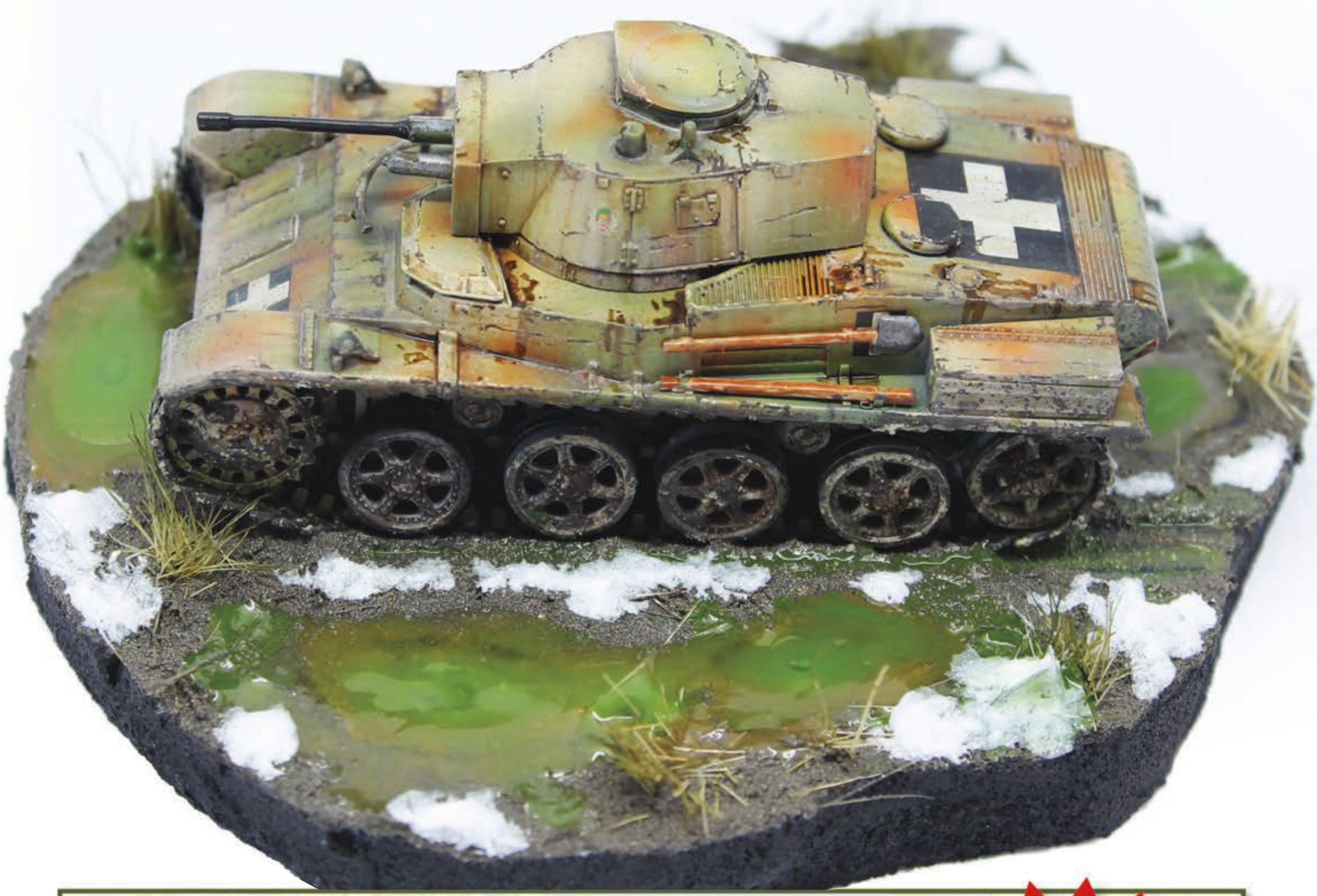
The IBG Models kit is relatively simple, but assembly is straightforward and the mouldings are crisp and accurate.



1/72
IBG MODELS
Toldi III – Hungarian Light Tank

Availability

IBG Models 1/72 Toldi III – Hungarian Light Tank 5 (ref. 72030) is availabe from all good model shops.



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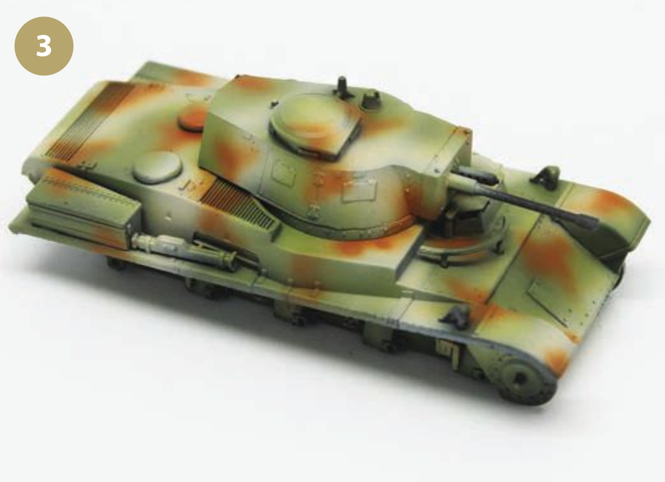
MIG-046
mig
jimenez
ACRYLIC
COLOR
Brush & Airbrush
17mL

1

2



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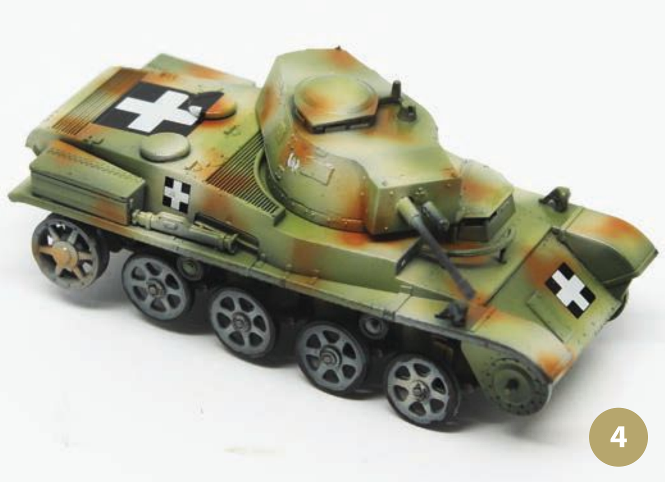

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Painting, Marking & Weathering

With the basic construction complete, I gave the model a coat of A.MIG-046 (Matt Black). To avoid any reaction with the subsequent layer of paint, I allowed the primer to dry for 24 hours **(photo 1)**. I imagine most modellers are familiar with the 'black and white' technique, a very simply method for creating shadow and highlights prior to applying the base coat. Unfortunately, once I had applied the lighter colour, I noticed numerous white spots resulting from a broken airbrush nozzle … time to get this replaced, but at least the offending spots would be concealed under the camouflage colours **(photo 2)**.

A further day's drying time, and I was ready to make a start on the main paint scheme. One of the things that first attracted me to this model was the highly realistic box-art. Since the model represents a late version of the tank, I felt that the best paint source would be AMMO's Late-War German Colours Set. As for the actual camouflage pattern, I applied the colours randomly without strictly adhering to the kit's illustration **(photo 3)**. The model now received a light coat of gloss varnish, both to prepare for decal marking and to protect the paintwork during the weathering stages (particularly important, as some of these would involve using enamel-based paints) **(photo 4)**.

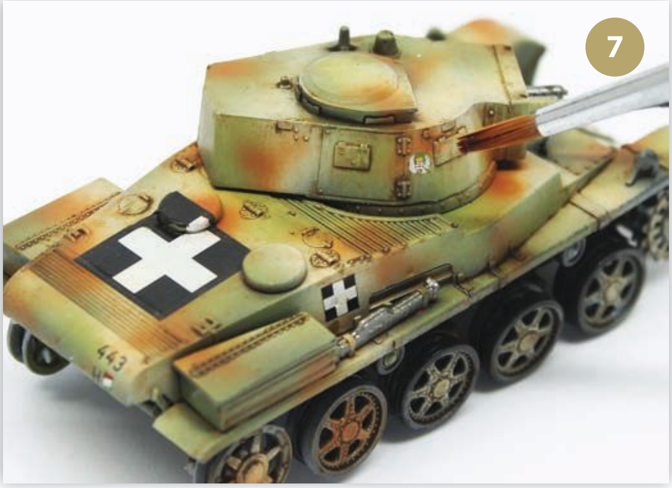
The marking located on the rear deck extends over various recesses and raised sections. In order for the decal to conform to these parts, I needed to cut it into smaller sections, and touch up with paint once it was in place. Satisfied with the result, I moved on to the application of filters. The choice of colours here really depends on the underlying tone. On this occasion I opted for A.MIG-1510 (Tan for 3 Tone Camo), which I applied in several light coats, being careful to avoid staining the markings

3 Tone Camo A.MIG
the original
FILTER
mig
jimenez

5

enamel
WASH
mig
jimenez

6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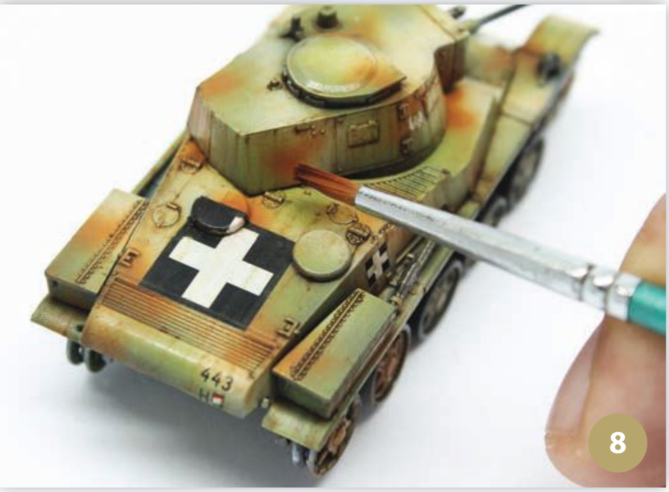
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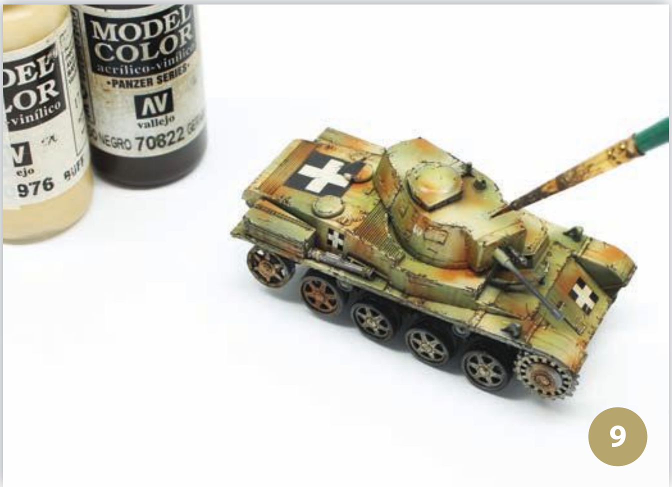
(photo 5). Allowing the filter coats to dry, I continued with a series of pin-washes using A.MIG-1001 (Africa Korps Wash), the aim being to accentuate raised details **(photo 6)**. After a short break, I blended the wash into surrounding areas and removed any excess using a fine-pointed brush moistened with enamel thinner **(photo 7)**.

The next step was to brush random vertical lines of A.MIG-1203 (Streaking Grime) over the model. Once blended into the surface, these would give an overall impression of dirt and grime over the vehicle (photo 8). And now to one of my favourite weathering effects … scratches and paint chipping. When dealing with 1/35-scale models, I normally combine brush-painting and a sponge for this process, but in this scale I felt I would have more control with just a fine-pointed brush. Beginning with a tone close to the base colour, Vallejo 70.976 (Buff), I replicated superficial scratches around hatches, panel edges and lower parts of the hull. Where damage had exposed the underlying metal, 70.822 (German Cam Black Brown) was used. Again, given the scale of the model, it was important not to overstate this effect **(photo 9)**.

Time now for the mud treatment, and my introduction to Adam Wilder's products. Beginning with TE-02 (Stony Dark Russian) from his Textured Earth range, I found this easy to apply directly to the model, with thinner being used to modify the texture **(photo 10)**. Once this was completely dry, I followed with a layer of NL-30 (Grey Dirt Spatter) from his NitroLine range. I was really impressed by these products. However, it is important to note that they dry much faster than oil or enamel paints, so there is less time to manipulate the colour once it is applied **(photo 11)**. NL-30 was also used over the upper hull and turret, and blended using a brush moistened with thinner **(photo 12)**.



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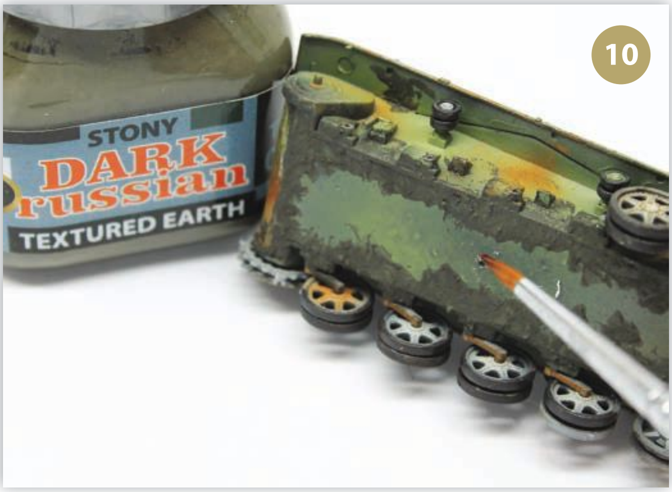

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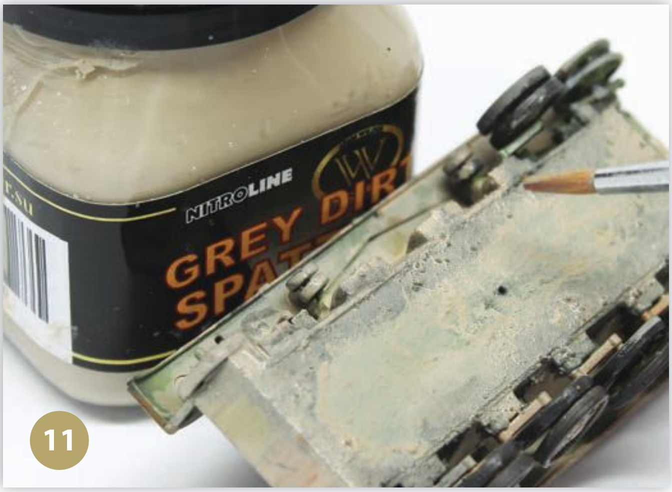

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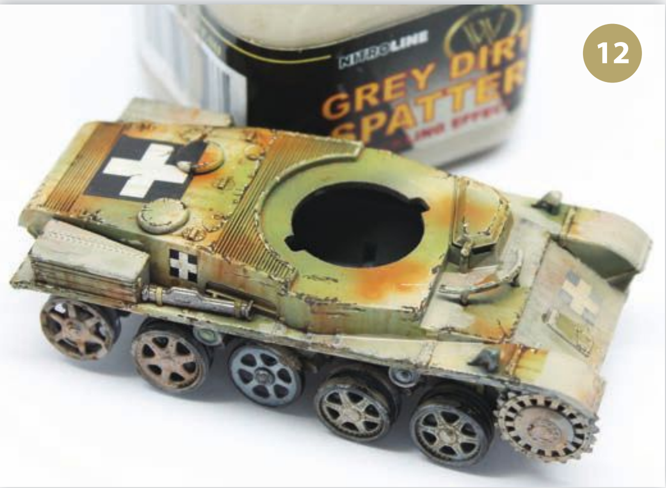

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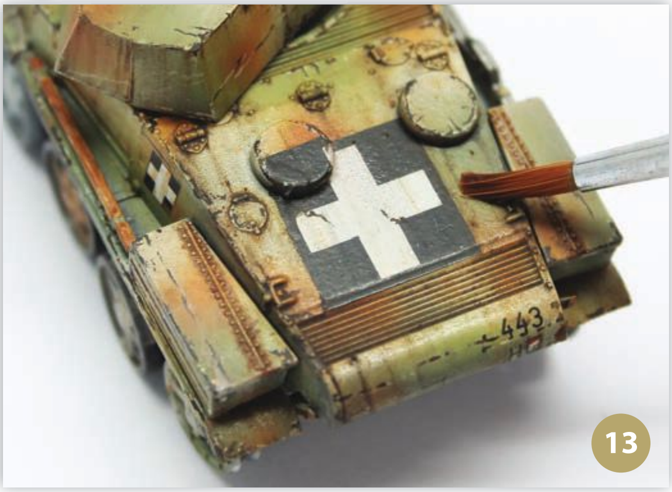

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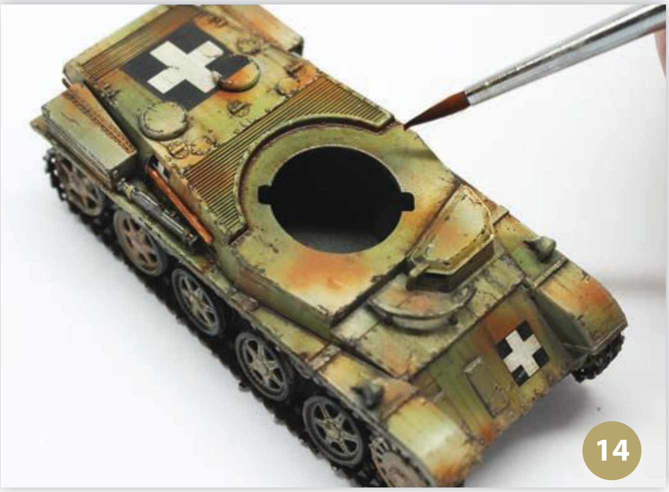

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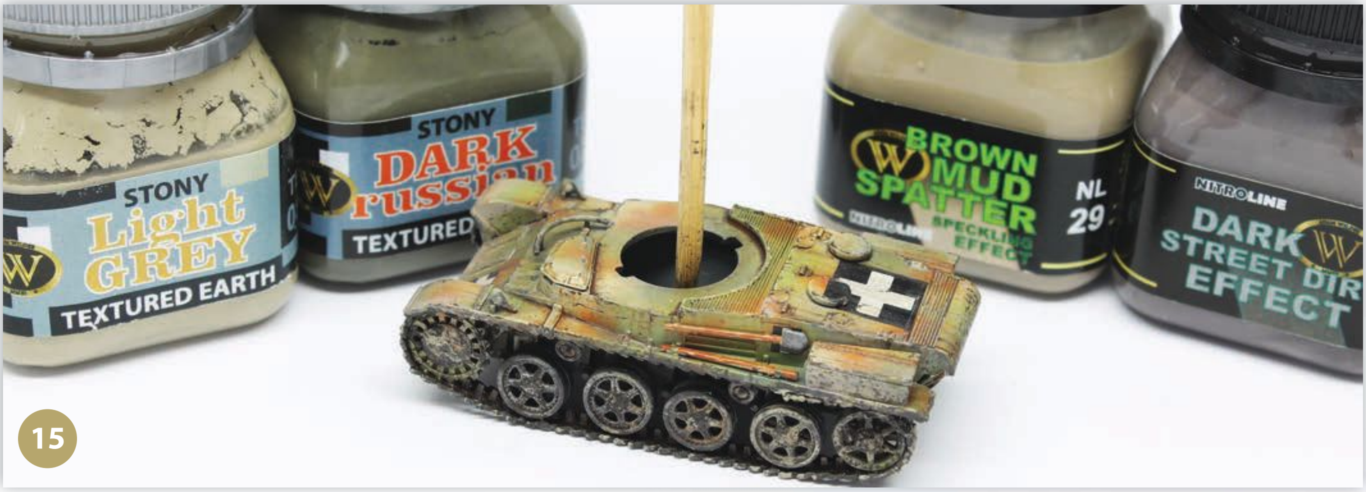
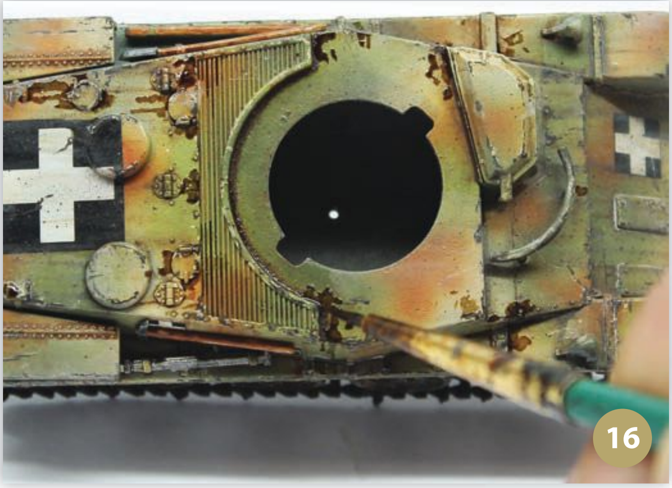

STONY
Light GREY
TEXTURED EARTH
STONY
DARK russian
TEXTURED
BROWN MUD SPATTER
SPECKLING EFFECT
NITROLINE
NL 29
NITROLINE
DARK STREET DIR
EFFECT

15

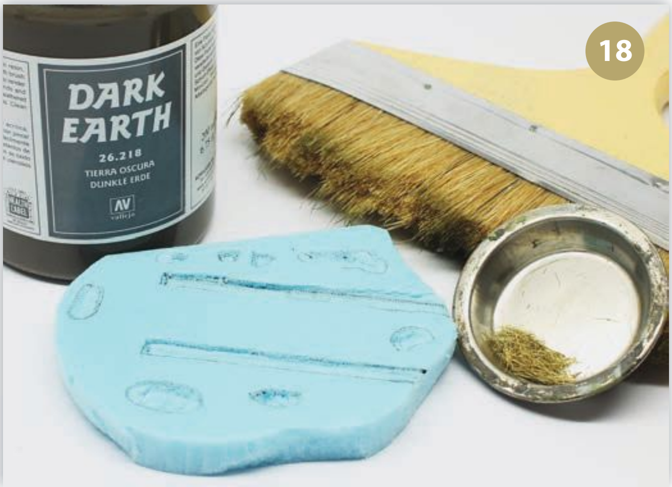


16

17

Having identified where dirt would most likely accumulate around the vehicle, I applied streaks of dark brown oil paint over these areas, and again softened the effect using a brush moistened with thinner. Rather than using artists' oil paints, I opted for Wilder's weathering oils. Since these take less time to dry, I was able to move on to the next step fairly soon **(photo 13)**. This basically involved using various enamel colours to replicate rust patches, and again softening the effect with small quantities of thinner **(photo 14)**. While it was important to blend these colours slightly, a certain amount of contrast would be required. The previously applied black oil paint was still visible, providing some depth to the rust tones.

Final weathering included speckling some of Wilder's products over appropriate parts of the vehicle **(photo 15)**, and replicating fuel and grease stains. I used a fine-pointed brush for this last item, and was careful to limit it to areas where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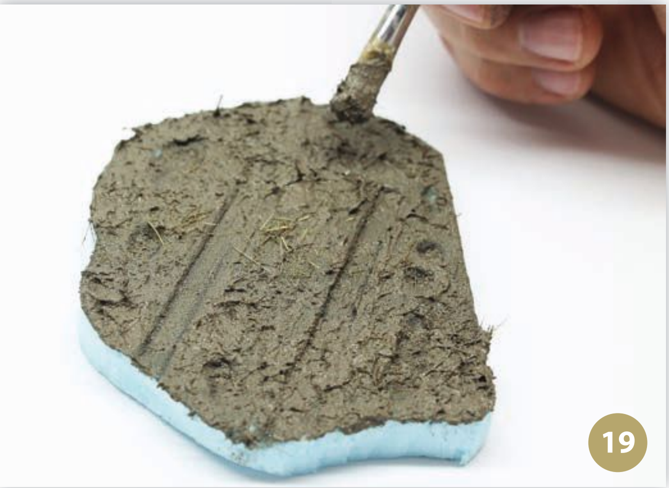
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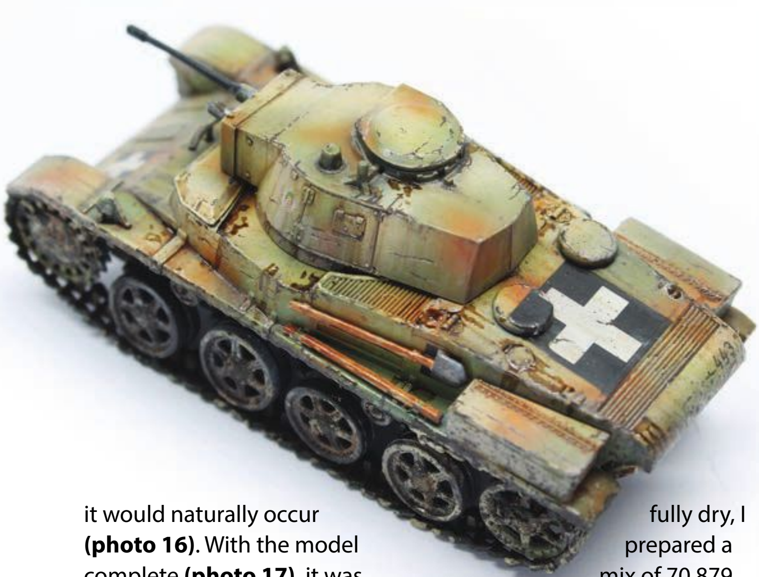
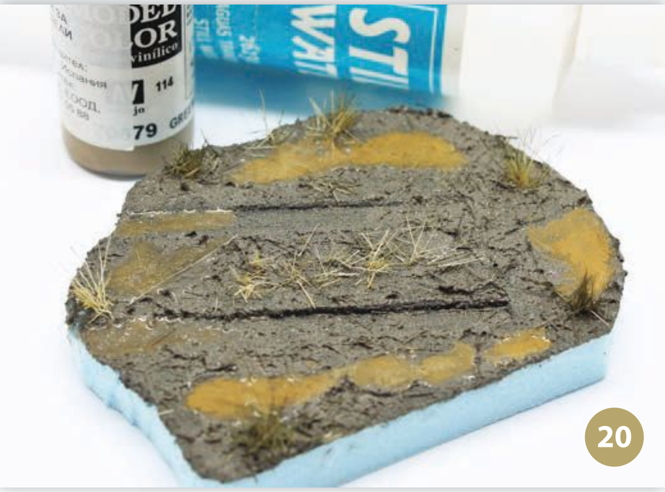


it would naturally occur **(photo 16)**. With the model complete **(photo 17)**, it was time to consider a suitable setting for the vehicle.

A Simple Vignette

The base was formed from a piece of Styrodur, cut to shape, and with track marks made in the upper surface. At this point I also created a series of indentations that would later represent large puddles in the muddy terrain. The groundwork was built up using Vallejo 26.218 (Dark Earth Texture Paste). For those who are not familiar with this product, Vallejo produce a range of colours and consistencies. Easy to apply, they are ideally suited to a variety of terrain effects. Having brushed the paste over the surface, I added clumps of grass (short lengths of brush bristle), including areas where it had been pressed into the mud from passing feet and vehicles **(photos 18 & 19)**.

Allowing the groundwork to fully dry, I prepared a mix of 70.879 (Green Brown) and 26.230 (Still Water), and carefully poured this into the previously formed holes. Two important points to remember when using products such as Still Water: the best results are achieved by applying it in several thin layers (allowing each to fully cure before adding the next); only a small amount of colour is required to allow the mix to remain translucent once dry. Of course, the more colour added, the deeper and muddier the puddle will appear **(photo 20)**. I also added a touch of pure green to the mix before applying the final layer. With the vehicle in place **(photo 21)**, all that remained was to add traces of melting snow around the scene … the perfect medium being Wilder's SN-01 (Textured Snow!) **(photo 22)**. And with that, the scene was complete. Many thanks to IBG Models for providing this kit.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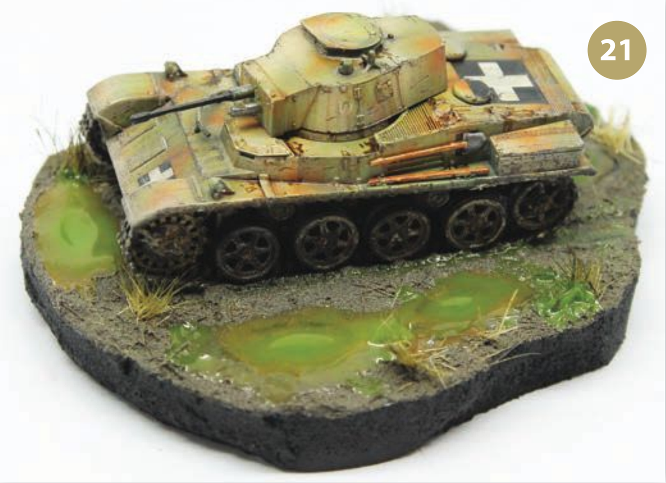
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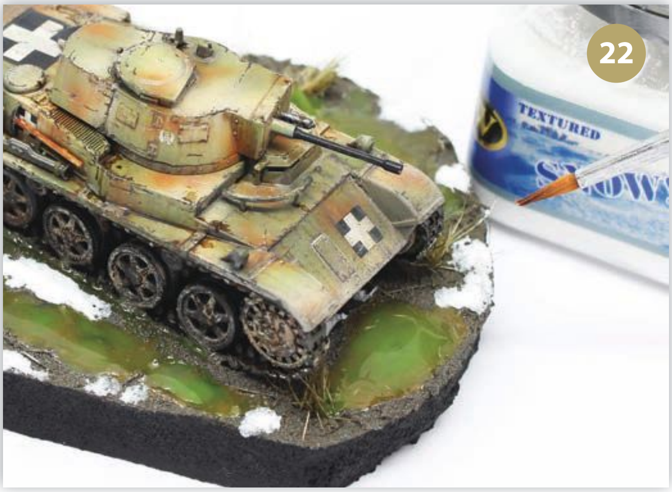
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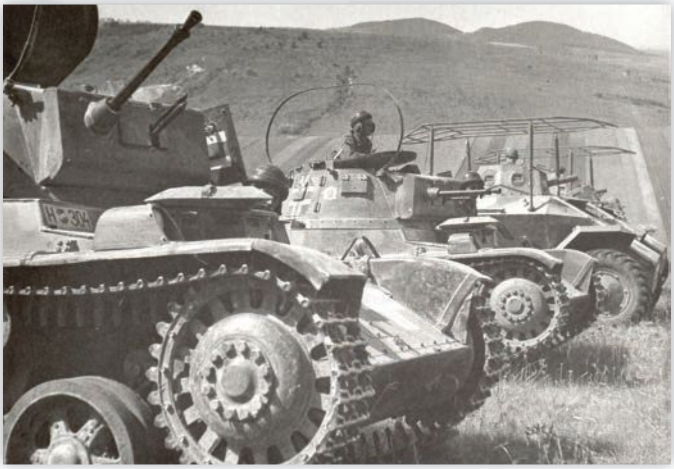
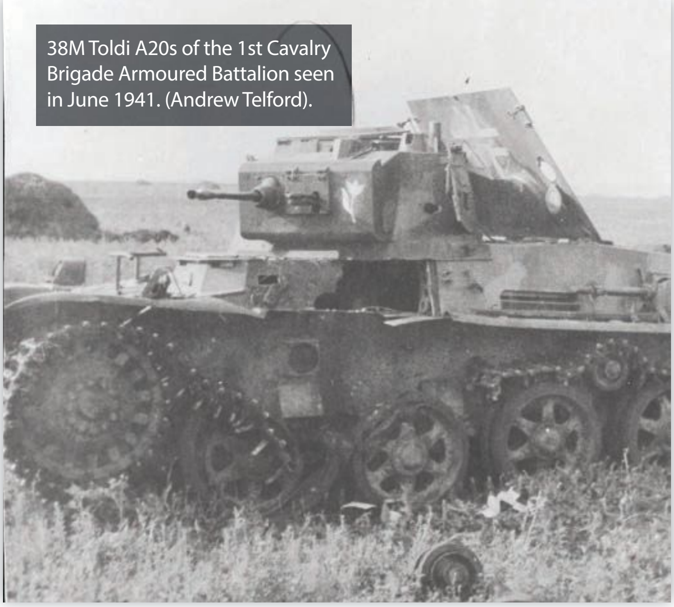
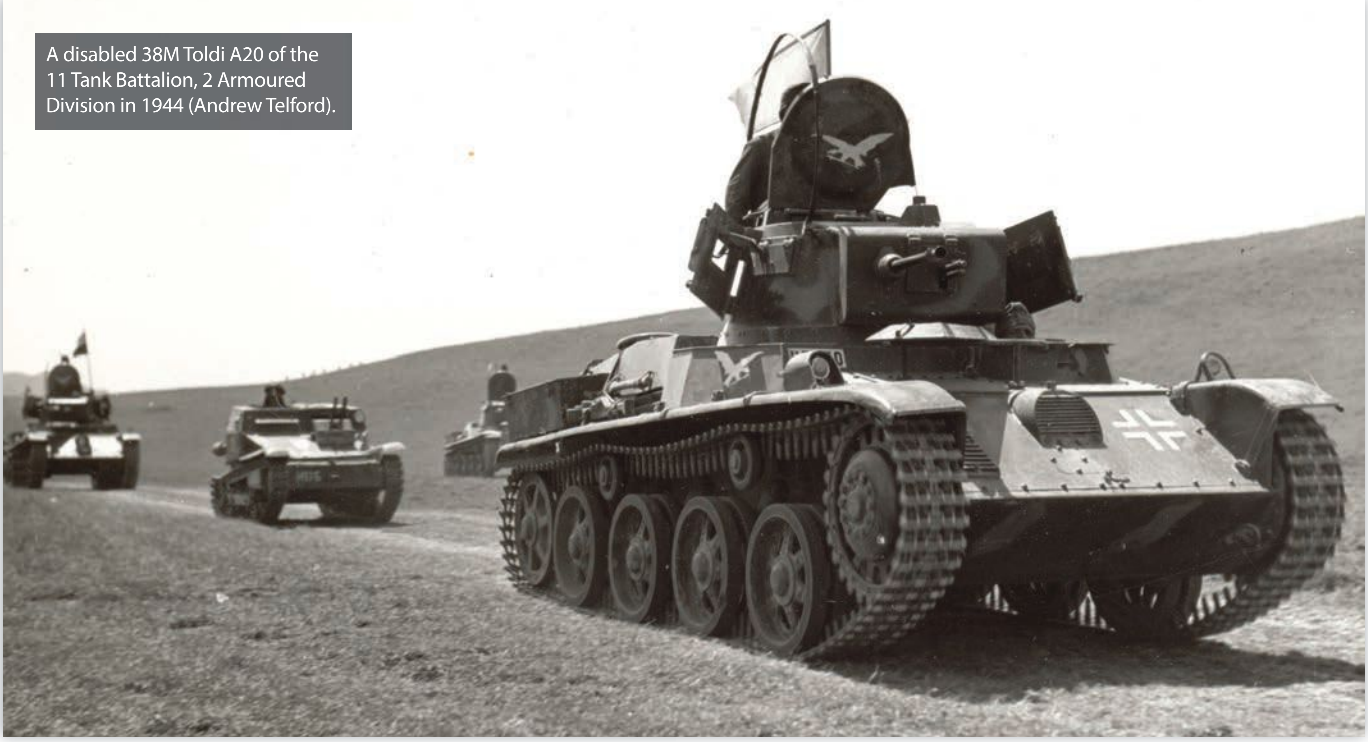


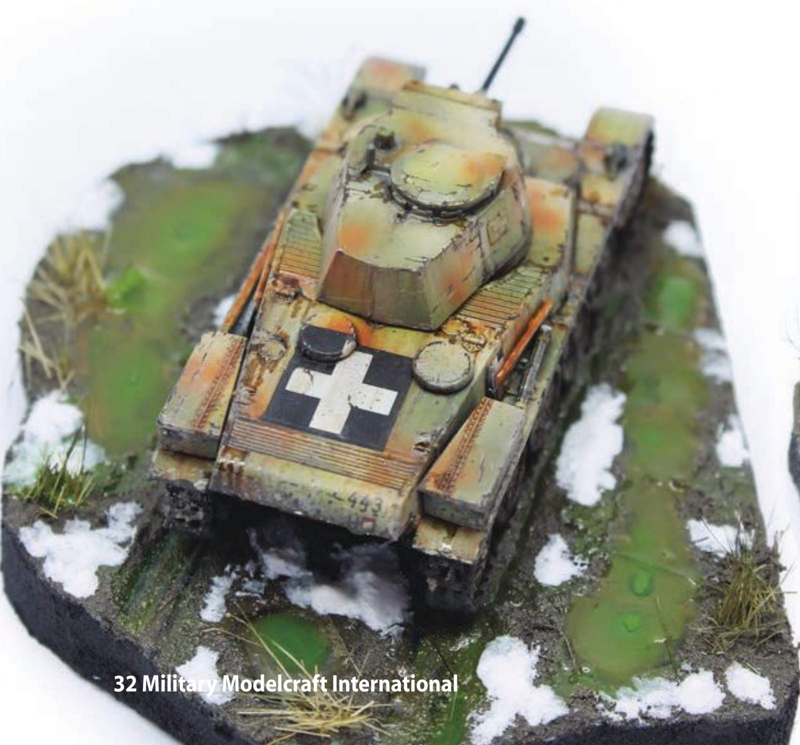
A 38M Toldi I shows the 1940 national cross markings. The cross is displayed towards the rear of the turret behind the crew access hatches, below the driver's position on the glacis plate and on the rear engine deck (Andrew Telford).

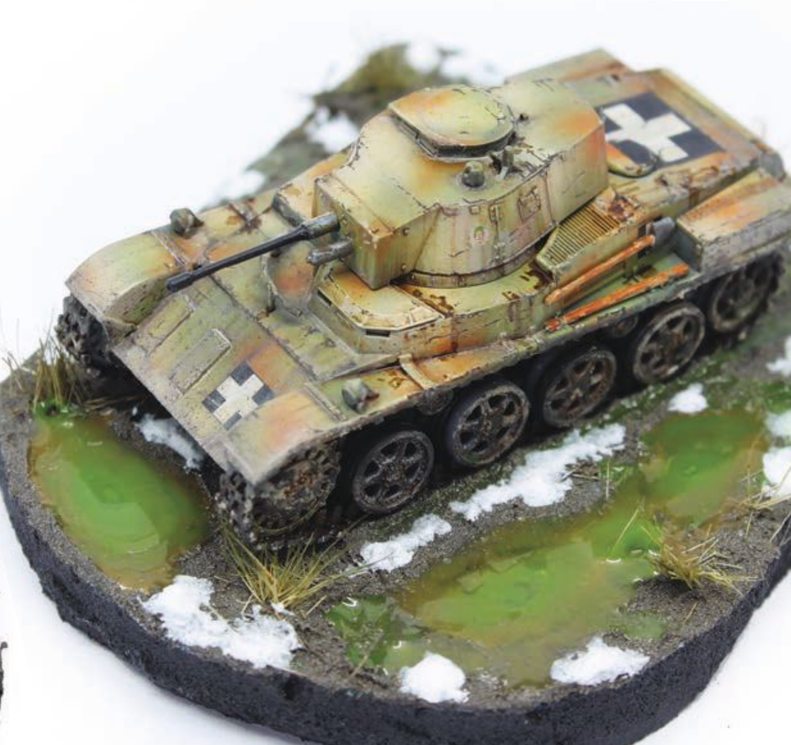


38M Toldi A20s of the 1st Cavalry Brigade Armoured Battalion seen in June 1941. (Andrew Telford).



A disabled 38M Toldi A20 of the 11 Tank Battalion, 2 Armoured Division in 1944 (Andrew Telford).

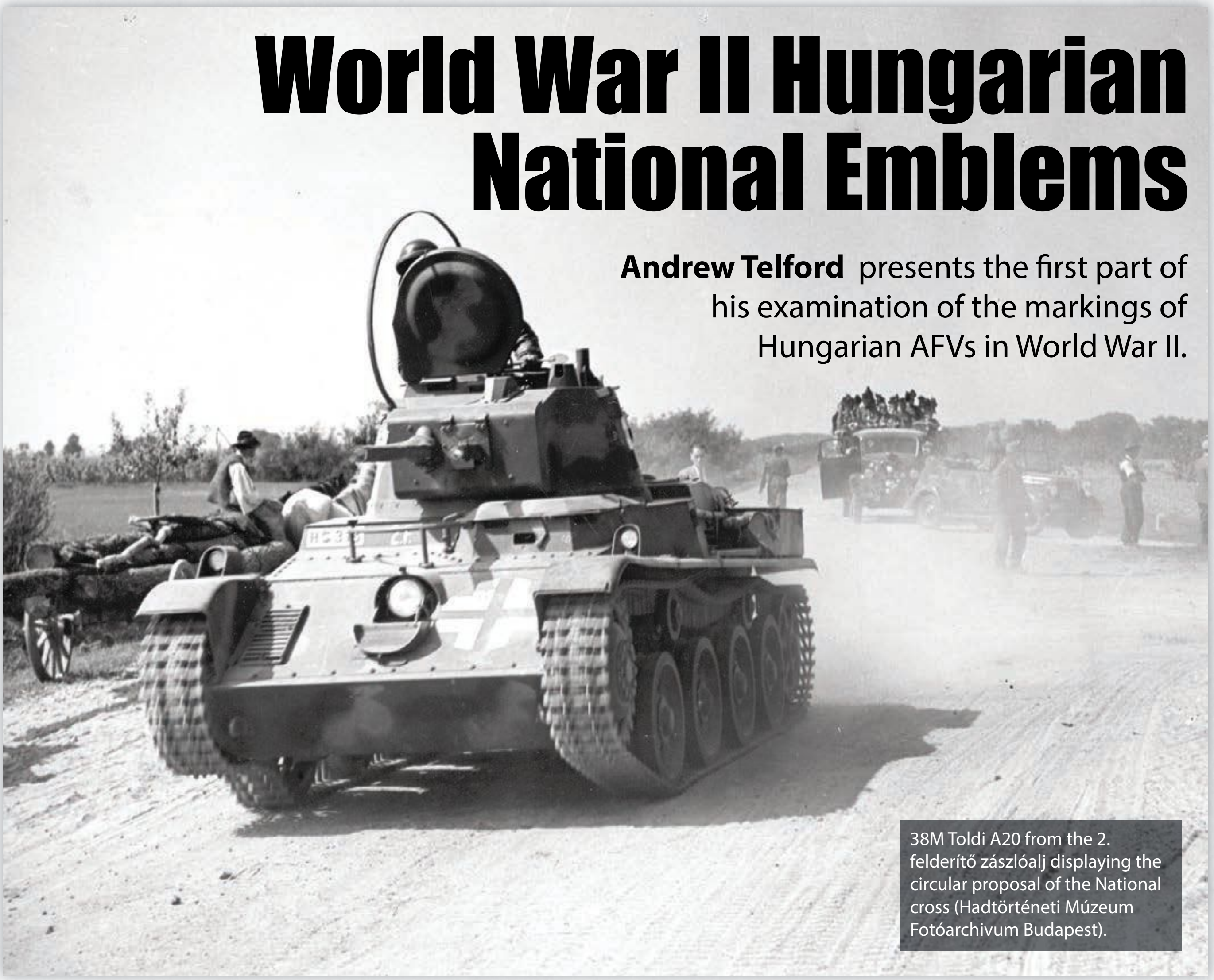




ARMOUR in Profile
ISSUE 04

World War II Hungarian National Emblems

Andrew Telford presents the first part of his examination of the markings of Hungarian AFVs in World War II.



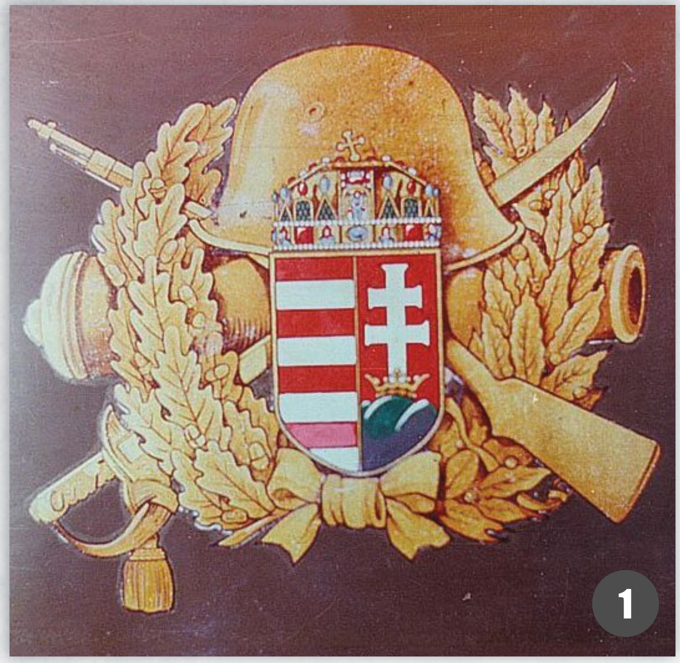
38M Toldi A20 from the 2. felderítő zászlóalj displaying the circular proposal of the National cross (Hadtörténeti Múzeum Fotóarchivum Budapest).

Over the last few years I have noticed an increase in interest in both wargaming and modelling circles, more so in the former perhaps, in the operations and equipment's of the Royal Hungarian Armed Forces – A Magyar Királyi Honvédség. There is very little available in the English language on this subject and even in Hungarian language it is limited, although this is slowly being addressed with new authors and researchers publishing their work since the Soviets left Hungary in 1991. As I have an interest in this area, I thought it time to address some of the short fall of available information and write these articles. With these articles I would like to present the reader with some information regarding the markings applied to Hungarian AFV's during the period 1940 – 1945. Hungarian national markings changed considerably over a short period of time, with many different national markings being employed during the same period. This article will focus on the national emblems that were applied to the Honvéd's vehicles primarily during 1938 – 1945; I have however included those that were in use well before these dates for the sake of completeness.

Markings before World War II

Prior to World War I the Hungarian armed forces, including the air force used and employed markings that were in use with the Kaiserlich und Königlich (the Austro-Hungarian armed forces). There were those within the Hungarian High Command who suggested that Hungary would be better served as a country, and that a greater level of independence and national pride would be created if they were to employ different markings to that of the armed forces of the Austro-Hungarian empire.

The initial national marking that was chosen for the Hungarian armed forces was that which was already in use by the air force, this was a black Cross Patee (later called the Balkan Cross) on a white square. The decree was that it would be painted onto the sides and radiator covers of all Hungarian vehicles; military vehicles at this time were painted a dark blue-grey colour.



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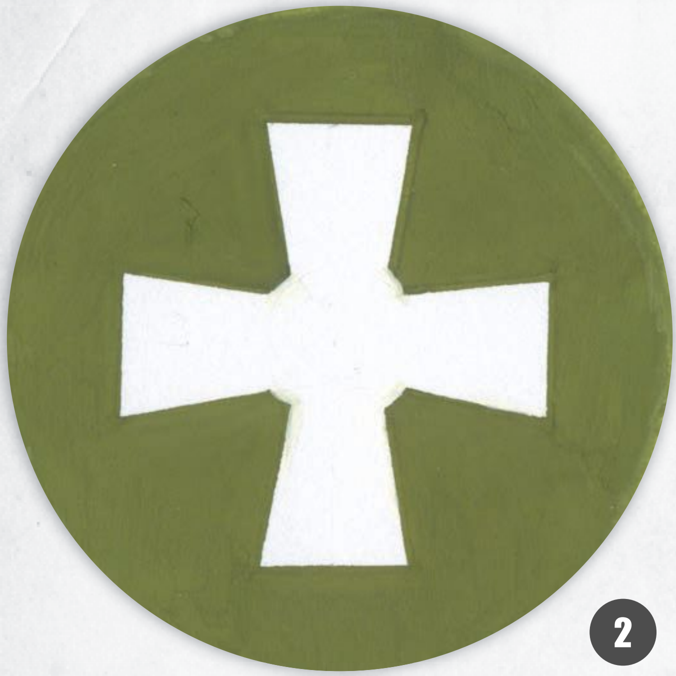

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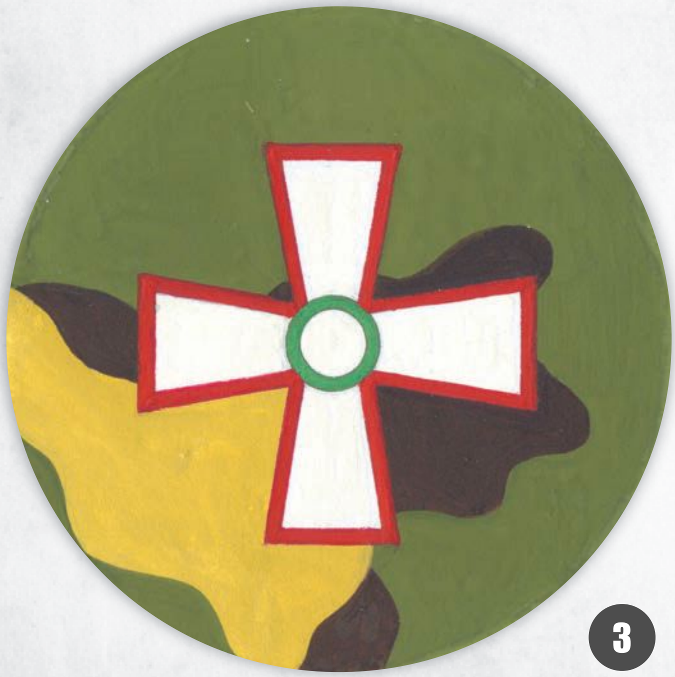


3

During August 1919 and the West Hungarian uprising, the Transdanubian National Army (Anti-communist) was formed at Siófok (Lake Balaton); a temporary national marking was employed for identification of their vehicles, it is seen painted on two Büssing-Fross armoured cars which they had in their inventory, again the vehicles were painted a dark blue-grey colour, the emblem chosen for this 'army' was a white St. Stephens Cross. Later during 1919 -1920 the Pronay Detachment raised in Szombathely (Western Hungary) would also use these same two armoured cars with the same markings applied.

The conditions set out and imposed on Hungary by the Treaty of Trianon in June 1920 forbid Hungary any form of air force, anti-aircraft or tank (armoured) units. A Police (Rendőrség) and Customs Force (Vámőrség) were allowed under the Treaty and in order to retain the armoured cars they possessed they were reclassified as 'patrol-cars' and transferred to the Rendőrség, all 'military' markings were removed at this time, the vehicles remained the dark blue-grey colour. The situation remained fairly static for the next 18 years with Hungary acquiring covertly the odd few armoured cars and tankettes from various sources which were utilised by their Police units.

Prior to 1938 the Honvéd had no official emblems applied to their military vehicles apart from the vehicle licence plate (discussed later) although many carried unofficial unit insignia. In 1938 the first official emblem for the fledgling Honvéd was introduced, this was a handmade small cast silver coloured metal badge consisting of a wreath, surmounted by a helmet with a cannon barrel horizontally and crossed with a drawn sword and rifle (These represented the arms of the Honvéd), in the centre was the Hungarian National Crest which was enamelled with the national colours. It was to be affixed to both sides of all military vehicles by means of screws; by 1939 it had been discontinued due to the cost and replaced with a self-adhesive decal of the same design **(image 1)**. This emblem was to be applied to all military (Honvéd) vehicles, soft skins were to apply it on the doors of the cabs, 38M Toldí and some 40M Turán on the turret sides; 35M Ansaldo's, 38M Csaba and 40M Nimród carried it on the hull sides.

It remained in use up until the end of hostilities in 1945; however after 1941 its application gradually reduces although its use was still required according to the decree that initialised it use. It is not seen applied religiously to all vehicles; it appears to have been applied to all vehicles at training establishments up until the end of hostilities. I have seen no evidence to suggest it was ever applied to 41M Turán or 43M Zrinyi whether in training or combat units.

World War II National Emblems

On 16 July 1940 the National Civil and Defence Ministry (NCDM) department 3/b, became involved with the development of a universal national emblem for the Honvéd, as stated no official policies concerning armoured/motor vehicle markings were in existence, there was no official national marking displayed prior to Aug/Sept. 1940 on Hungarian armoured vehicles. Department 3/b issued a directive for the development of future vehicle markings; the Ministry would review all proposals that were submitted before deciding on a uniform national marking. This declaration resulted in numerous design proposals from various units; many actually applying their own proposed insignia to their vehicles whilst waiting for a decision from the NCDM as to what form the final national emblem would take.

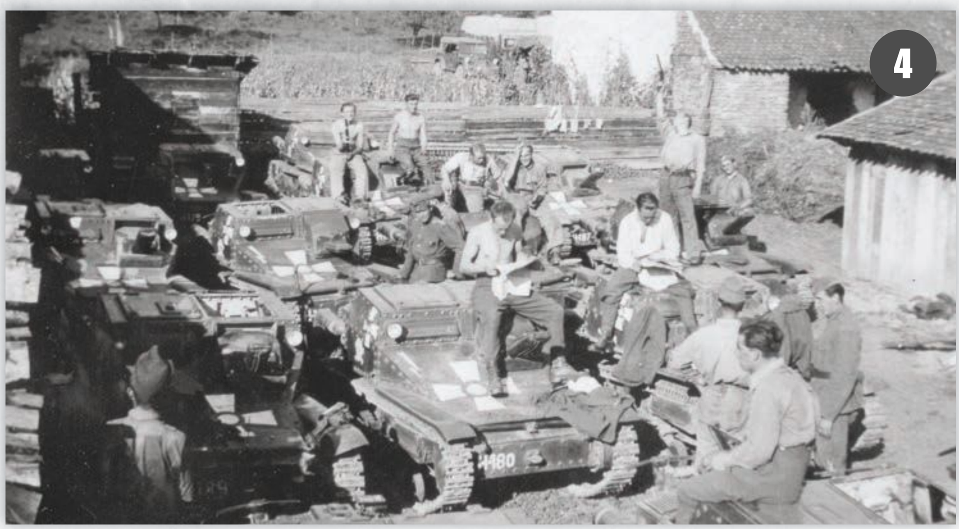
There were two official proposed designs from the NCDM that were to be trialled; the first was approved with the decree of 1940; No. 471/100/eln. 3b, this was a 'Maltese' cross (known to the Hungarians as the Hungarian

Cross) to be applied in solid white **(image 2)**. This was to be painted directly onto the vehicles. The unit selected for its trial was the 1. felderítő zászlóalj, 1. gépkocsizódandár (1. Reconnaissance Battalion, 1. Motorised Brigade). It is seen applied to 38M Toldi, 35M Ansaldo's and on 39M Csaba in a modified form than directed. This particular insignia was introduced prior to the reoccupation of Northern Transylvania during September 1940 and is seen on the armoured vehicles that participated during these operations.

It is worth noting here that the plain white Hungarian cross of Decree No. 471/100/eln. 3b appears to be very rarely seen on photographed vehicles, to date I have only seen this on 35M Ansaldo and 38M Toldi. What is more commonly seen is a modified white cross with a coloured border and coloured hollow circle to its centre.

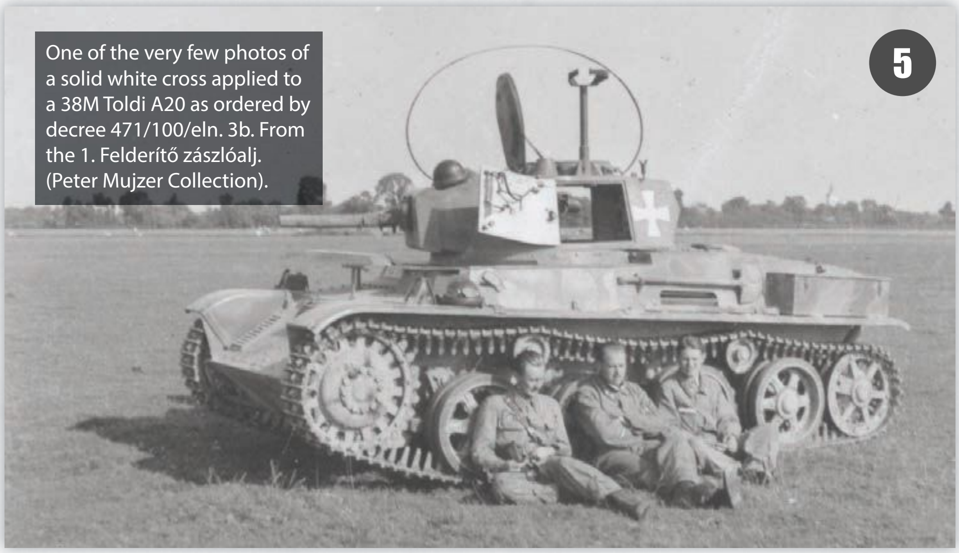
Several published sources claim that the coloured portions of this altered cross were a different colour for each company within the 1. felderítő zászlóalj. I would like to suggest that this would have been a wasted exercise to identify different companies using a different colour combination of cross; as the individual companies' vehicles, 39M Csaba, 35M Ansaldo and 38M Toldi were not mixed between companies; companies could be identified by the vehicle type **(image 3)**.

It is difficult to interpret black and white photographs accurately as to what shade of grey represents a specific colour, however there are photos available which allow comparison of tones using objects within the photo of which their colour is in no doubt. Using this method suggests that the entire 1. felderítő zászlóalj used a white cross with a red outside border with a circular centre section outlined in green producing a white solid centre section. This follows the colours of the Hungarian Tricolour. I have seen no photos, or documented evidence that suggests a solid centre circle of a single colour other than white. To date I have not located or identified any primary source material within the Hungarian archives that decrees, authorises or recommends the modification of the white cross from either the 1. felderítő zászlóalj or the NCDM; what is obvious however is that this cross was modified and it was carried throughout the 1. felderítő zászlóalj, all vehicles had the same colours in the same locations on the cross.



4

(Peter Mujzer Collection) shows a 35M Ansaldo from the 1. felderítő zászlóalj displaying the 1940 cross. Of particular interest in this photo is the 35M Ansaldo with the serial mark H-180 in the centre foreground of the image. It displays what is a plain white cross on the glacis plate as per Decree No. 471/100/eln. 3b. Careful examination of the image shows that the cross on this vehicles side is actually composed of the three colours, as are all the other visible crosses on the assembled vehicles.



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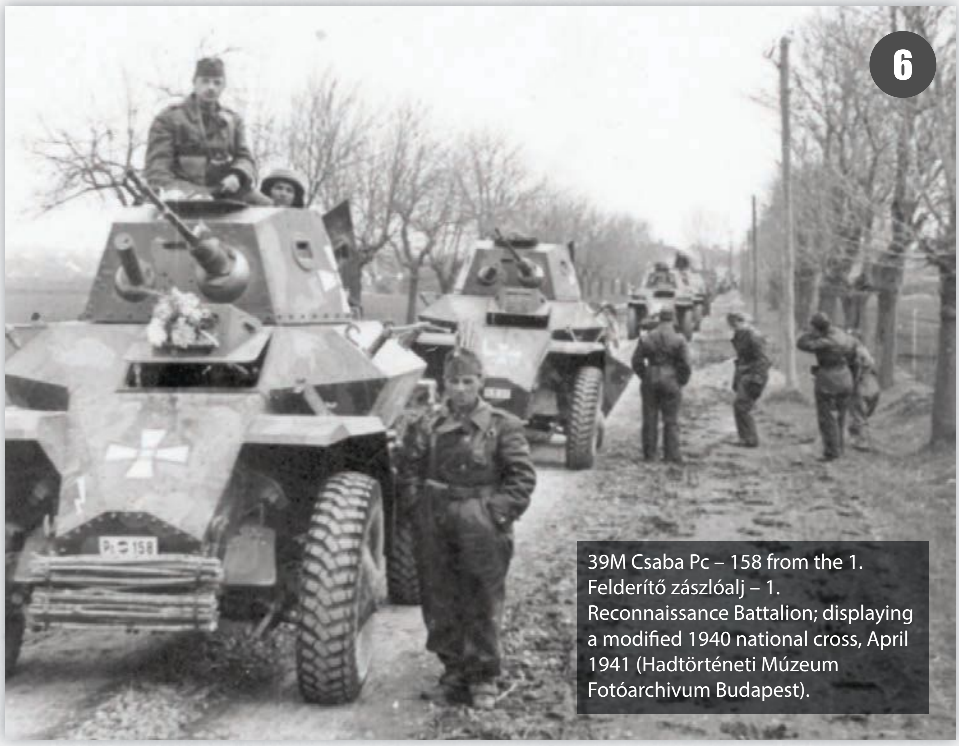
One of the very few photos of a solid white cross applied to a 38M Toldi A20 as ordered by decree 471/100/eln. 3b. From the 1. Felderítő zászlóalj. (Peter Mujzer Collection).



6

39M Csaba Pc – 158 from the 1. Felderítő zászlóalj – 1. Reconnaissance Battalion; displaying a modified 1940 national cross, April 1941 (Hadtörténeti Múzeum Fotóarchivum Budapest).

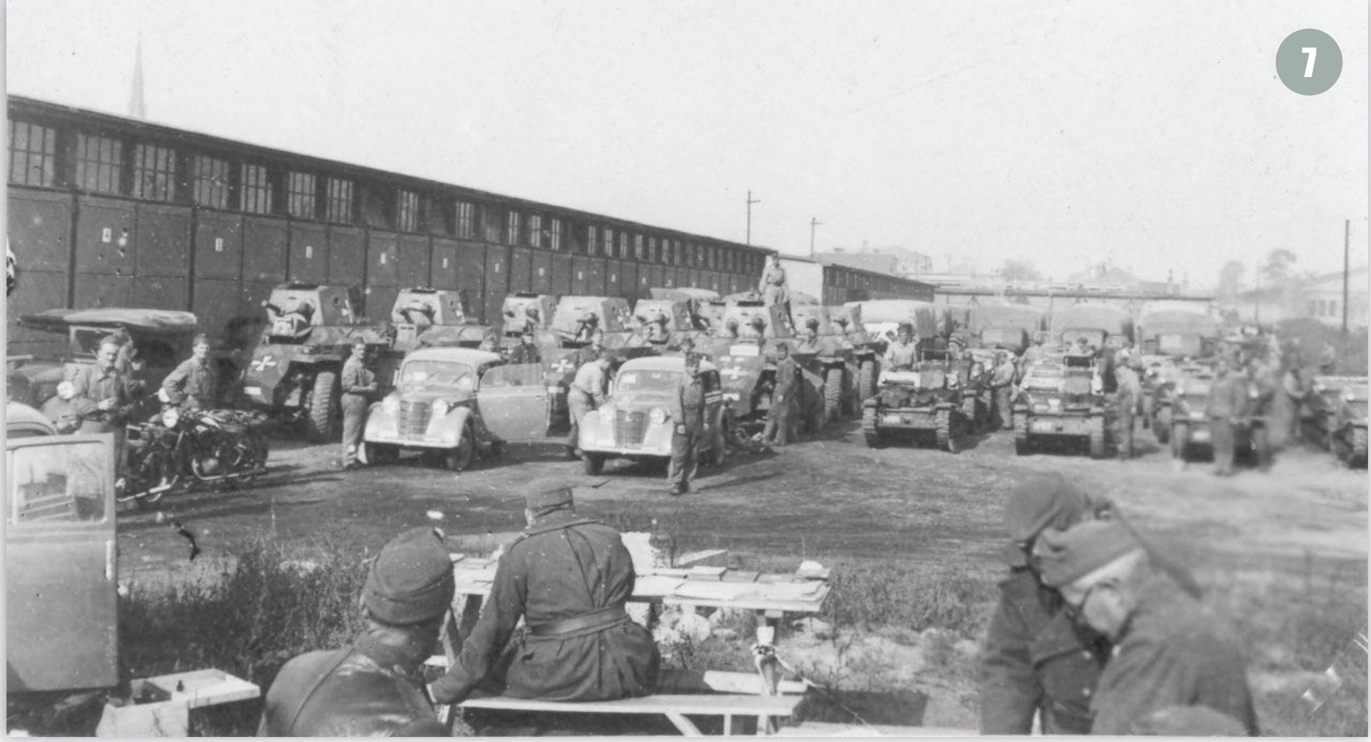


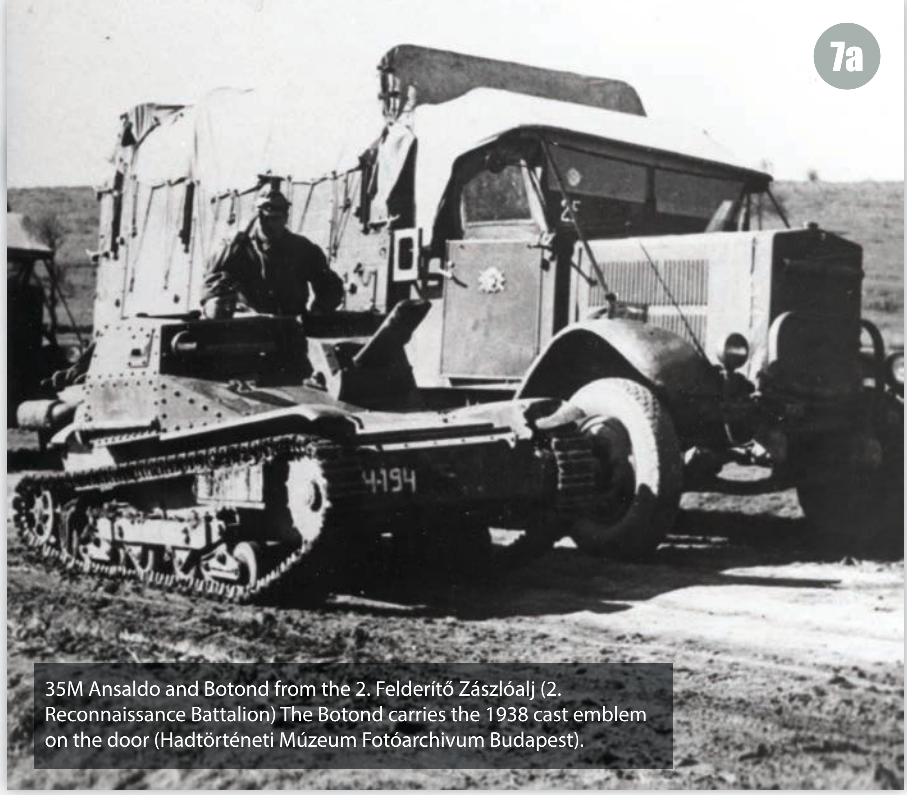
Photo 7 (Peter Mujzer Collection) taken at a different location shows several columns of 39M Csaba Armoured Cars from 1. felderítő zászlóalj's First Company alongside the Battalions 35M Ansaldos displaying the 1940 cross in the three colours, there is no difference in tonal values or style between the crosses on the 39M Csaba or 35M Ansaldo providing further evidence that all the units' vehicles had the colours of the cross in the same positions. These images can be dated pre May 1941; during May 1941 this unit was reorganised and did not contain any 35M Ansaldo or 38M Toldi. The decree ordered the application of the insignia in four locations to aid identification, the turret sides, the front glacis plate and the rear engine deck/hull, there were some deviations from the prescribed orders with some vehicles displaying the insignia in non-standard locations.

The advent of the Yugoslavian campaign during April 1941 saw this (modified) style of insignia still in use, but the proposal would ultimately be rejected by the NCDM.

Cross Dimensions (Images 2 & 3) Two sizes of cross for placement in various locations/vehicles

Decree 471/100/eln. 3b 1940	
Width	600/300mm
Width of cross arms at widest point	200/100mm
Width of cross arms at narrowest point	100/50mm
Diameter of centre circle	200/100mm

The second proposal from the NCDM which was trialled concurrently with the 1. felderítő zászlóalj 'white cross' was a circular emblem containing the national colours of red, white and green in the shape of a cross

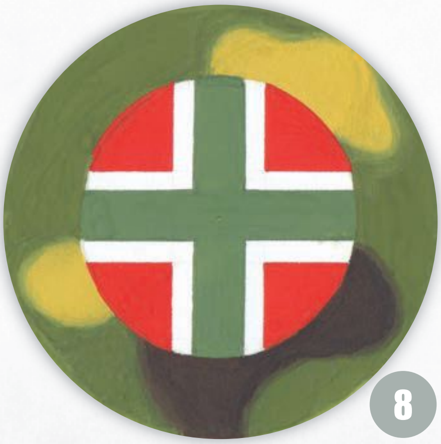


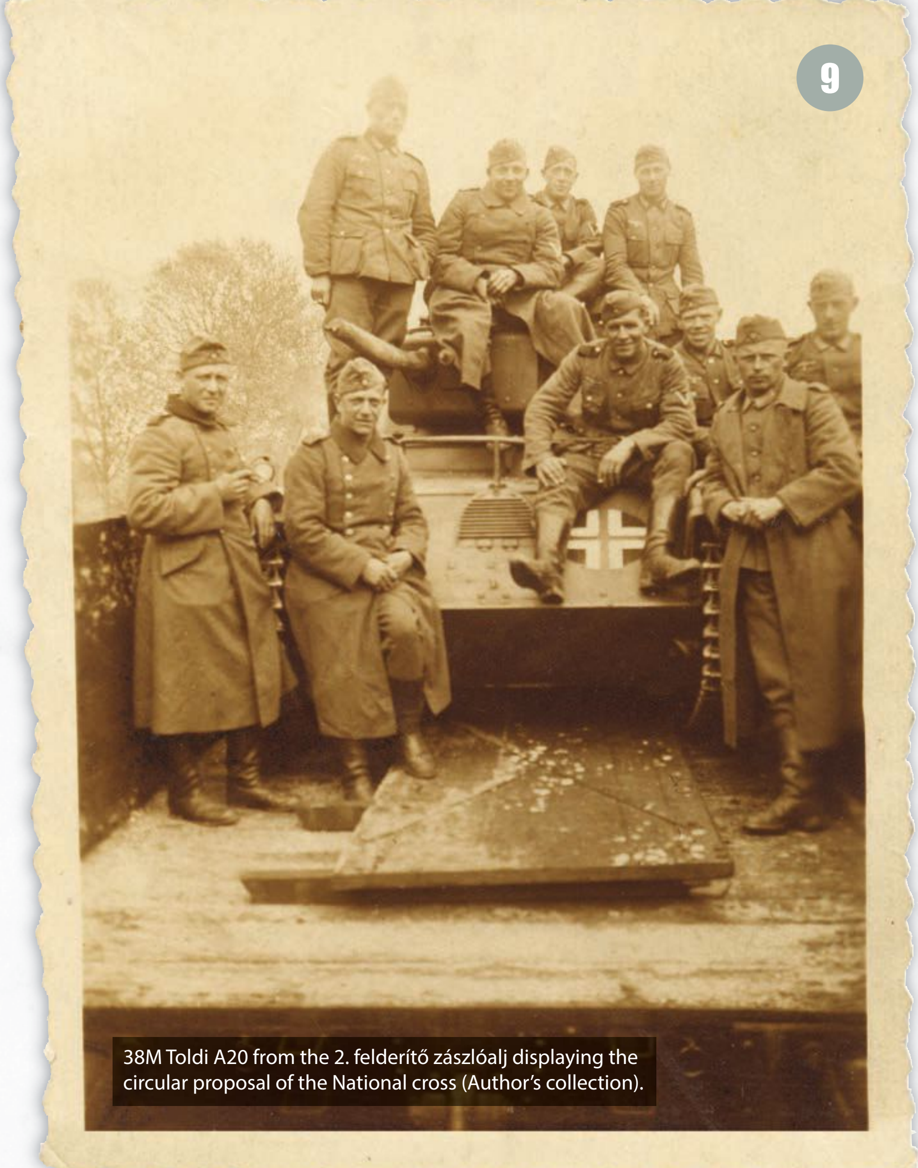
35M Ansaldo and Botond from the 2. Felderítő Zászlóalj (2. Reconnaissance Battalion) The Botond carries the 1938 cast emblem on the door (Hadtörténeti Múzeum Fotóarchivum Budapest).

(image 8). The unit selected for its trial was the 2. felderítő zászlóalj, 2. gépkocsizódandár (2. Reconnaissance Battalion, 2. Motorised Brigade). This emblem was in use by early September 1940. It was applied to all this units armoured vehicles; 35M Ansaldo, 38M Toldi & 39M Csaba in the same locations as the first proposed Hungarian cross.

There were again some deviations in the prescribed orders with the locations of this emblem with this unit which I will mention later.

This 'round cross' was in use during the 1941 Yugoslavian operations, and it is also




9

38M Toldi A20 from the 2. felderítő zászlóalj displaying the circular proposal of the National cross (Author's collection).

still seen on the units 39M Csaba's in Russia during July 1941 even though the Decree No. 440.348/eln should have been implemented by this time; by the end of the Russian 1941 operations they had converted over to the octagonal version.

Cross Dimensions (Image 8) Two sizes of cross for placement in various locations/vehicles

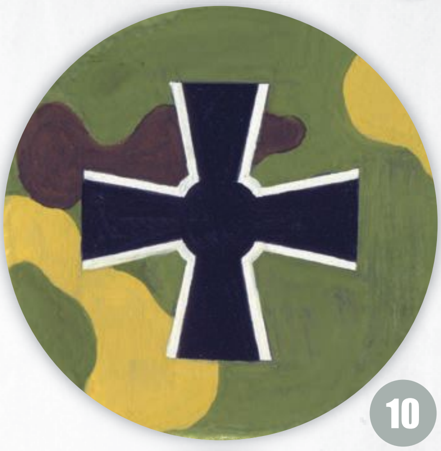
2. Felderítő Zászlóalj proposal	
Diameter of circle	500/350mm
Width of green cross arms	70/50mm
Width of white cross arms (Total)	240/170mm

There were several other proposals from various units put forward to the NCMD; these included a further variation of the Hungarian cross (1. felderítő zászlóalj), proposed by the commandant of the Mobile Forces training school at Esztergomtábor. It was suggested that the white (red/white/green) cross was too visible to enemy Anti-tank crews, the proposal was for a black Hungarian cross, bordered in white, **(image 10)** however this was rejected by the Department 3/b of the NCDM. The 2. Lovasdandár páncélos zászlóalj (2. Cavalry Brigade Armoured Battalion) proposed a national emblem of a green oval aligned vertically with a red St. Stephens cross bordered in white, **(image 11)** It was applied to only one 38M Toldí B20 in the zászlóalj (Battalion) for demonstration purposes.

To complicate the issue further there was a further proposal placed under testing during early 1941, a collective proposal by the Gyorshadtest-Parancsnokság and the Hadtitechnikai Intézet (Fast Corps Command & Military Technical Institute) Decree 515.483/3.b. **(image 13)**. This appears to have been trialled by several units as it was authorised by both the Fast Corps Command elements and the Military Technical institute (HTI)

Cross Dimensions (Image 13)

Decree 515.483/3.b 1940	
Width/height of cross	500mm
Width of green cross arms	80mm
Width of white section edges to the green cross arms	50mm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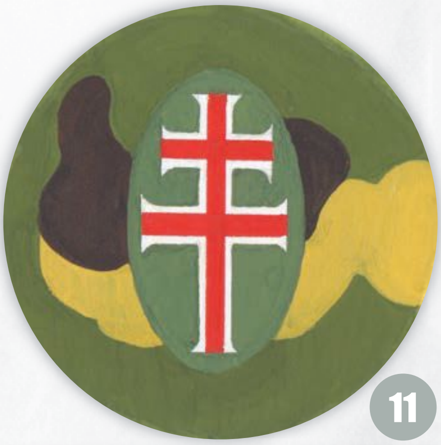
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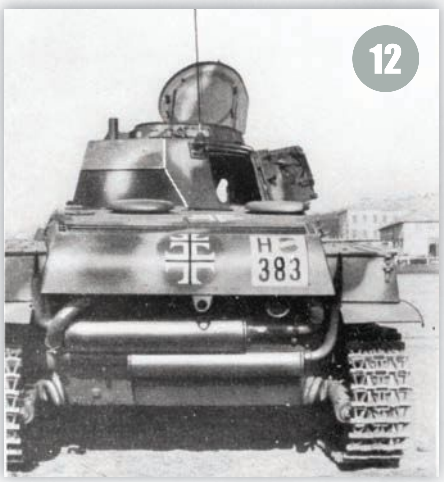
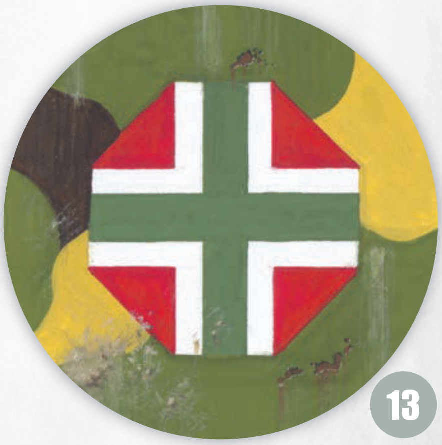

12

38M Toldi B20 H-383 from the 2. Lovasdandár páncélos zászlóalj (2. Cavalry Brigade Armoured Battalion) displaying the proposed emblem on the rear hull and engine deck (Hadtörténeti Múzeum Fotóarchivum Budapest).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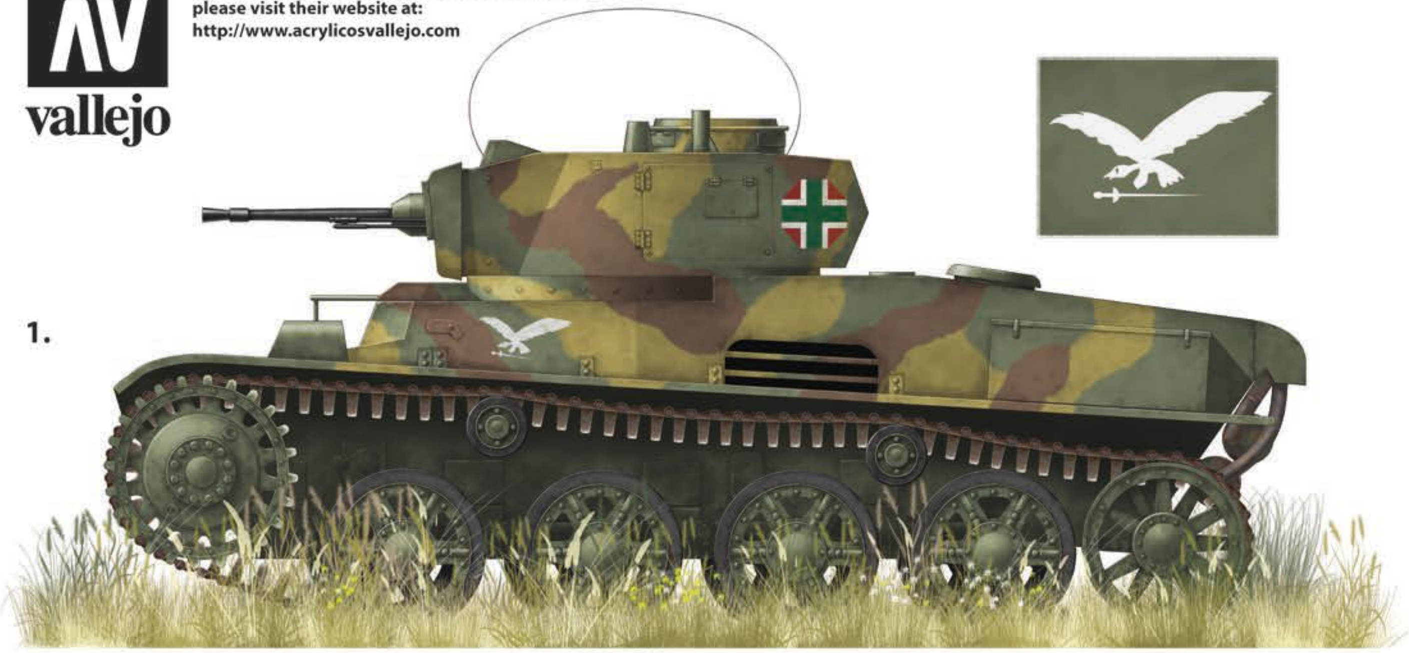

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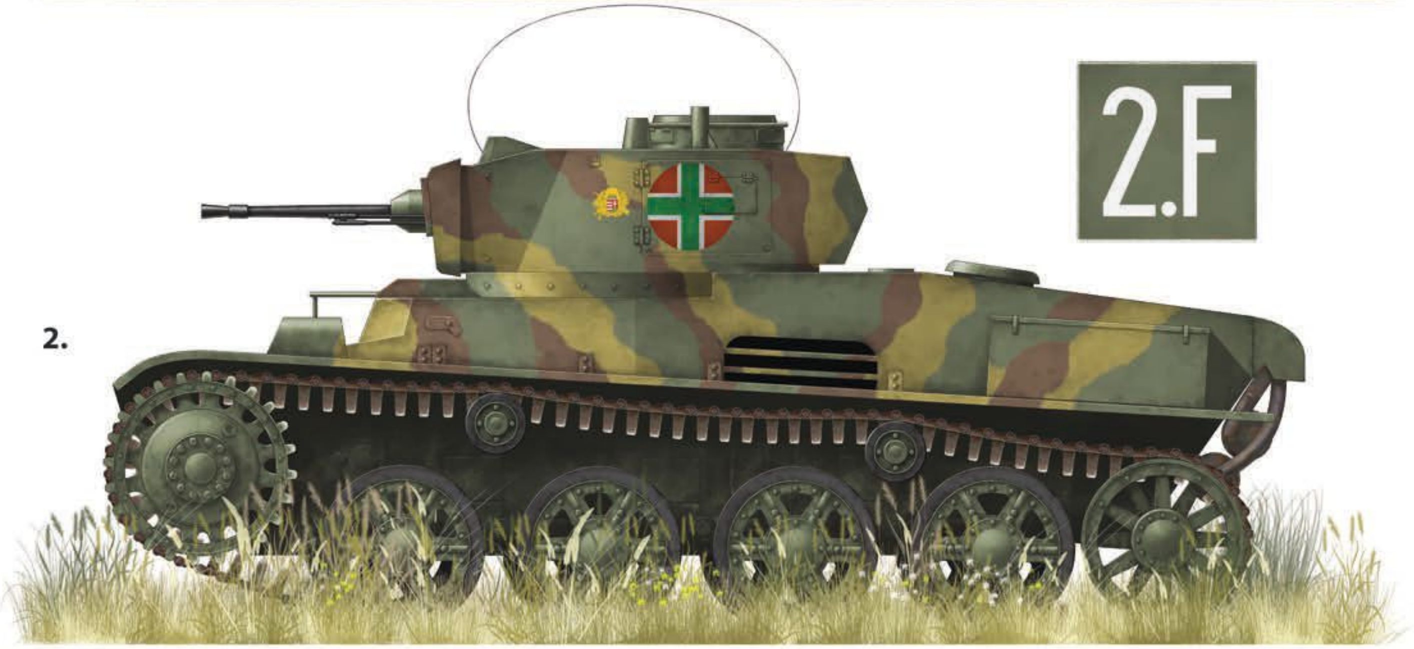

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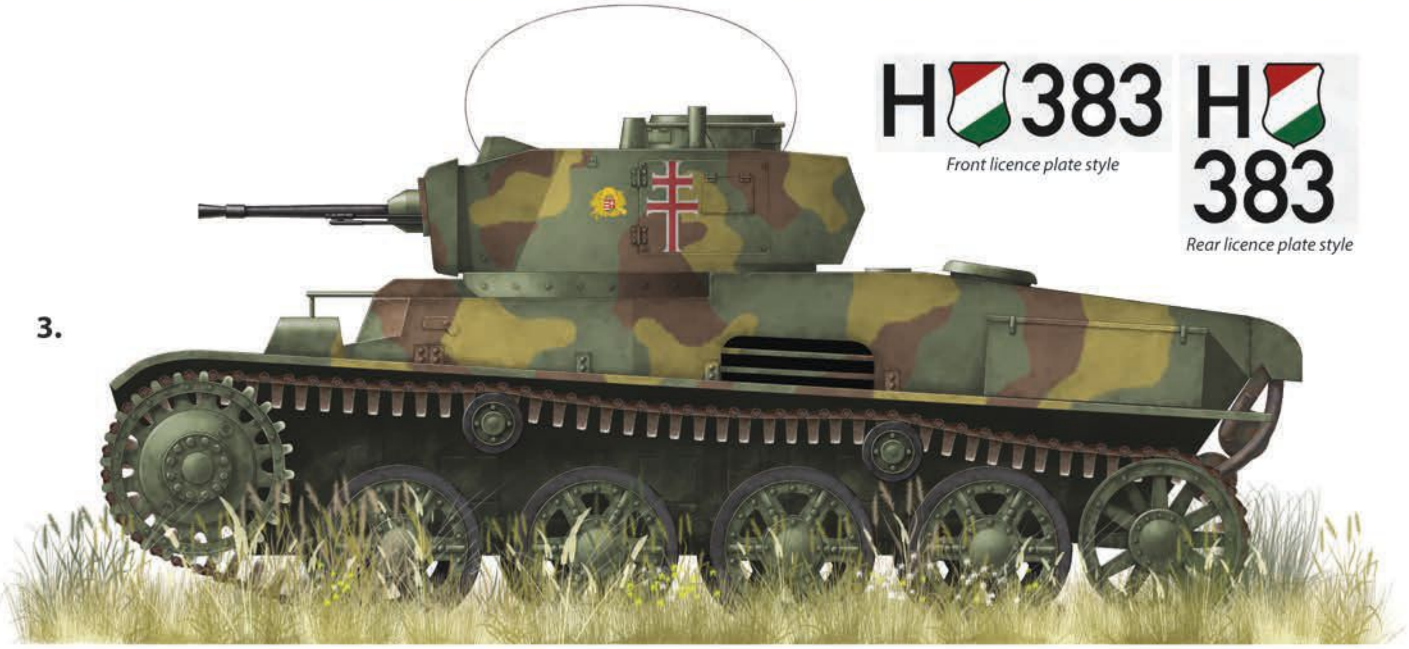

H 383
Front licence plate style
H 383
Rear licence plate style

1. 38M Toldi I, H-342, attached to the 1st Cavalry Brigade Armoured Battalion, spring 1941. Finish is in overall Green (Vallejo 71.006 Camouflage Light Green*) with Brown (Vallejo 71.271 German Red Brown*) and Sand (Vallejo 71.028 Sand Yellow*) camouflage. National markings are carried on the sides of the turret, front upper glacis, rear of the hull and engine deck. The licence plate is carried on the front left of the drivers compartment and rear right hull. The unit marking is carried on both sides of the hull, and top surface of the commanders cupola hatch.

2. 38M Toldi I, H-318, attached to the *2nd Felderítő Zászlóalj*, 2nd Reconnaissance Battalion, early 1941. Finish is in overall Green (Vallejo 71.006 Camouflage Light Green*) with Brown (Vallejo 71.271 German Red Brown*) and Sand (Vallejo 71.028 Sand Yellow*) camouflage. National markings are carried on the sides of the turret, front upper glacis, rear of the hull and engine deck. The licence plate is carried on the front left of the drivers compartment and rear right hull. The *Honvéd* crest is carried on both sides of the turret, with the 2.F unit designator carried on the rear right mud flap, rear hull plate, and front of the drivers compartment.

3. 38M Toldi I, H-383, attached to the 2nd Cavalry Brigade Armoured Battalion, summer 1940. Finish is in overall Green (Vallejo 71.006 Camouflage Light Green*) with Brown (Vallejo 71.271 German Red Brown*) and Sand (Vallejo 71.028 Sand Yellow*) camouflage. National markings are carried on the sides of the turret, front upper glacis, rear of the hull and engine deck. The licence plate is carried on the front left of the drivers compartment and rear right hull. The Honvéd crest is carried on both sides of the turret. The experimental national insignia was applied to this vehicle only.

4. 38M Toldi I, licence unknown, attached to the *11th Harckocsi Zászlóalj*, (11th Tank Battalion), 2nd Motorised Brigade, 1941. Finish is in overall Green (Vallejo 71.006 Camouflage Light Green*) with Brown (Vallejo 71.271 German Red Brown*) and Sand (Vallejo 71.028 Sand Yellow*) camouflage. National markings are carried on the sides of the turret. The *Honvéd* crest is carried on both sides of the turret. The 'Tulip' marking is carried on the front of the gun mantlet and rear (left) of the exhaust shroud.

5. 38M Toldi I, licence unknown, attached to the *1. Felderítő Zászlóalj* (1st Reconnaissance Battalion), *1. Gépkocsizódandár* (1st Motorised Brigade), late 1940. Finish is in overall Green (Vallejo 71.006 Camouflage Light Green*) with Brown (Vallejo 71.271 German Red Brown*) and Sand (Vallejo 71.028 Sand Yellow*) camouflage. The Maltese Cross was an experimental insignia applied to vehicles of this unit only during operations in North Transylvania in late 1940.

ARTWORK © MILITARY MODELCRAFT INTERNATIONAL
DRAWINGS & CAPTIONS BY Mark Rolfe

* Denotes an approximate colour match

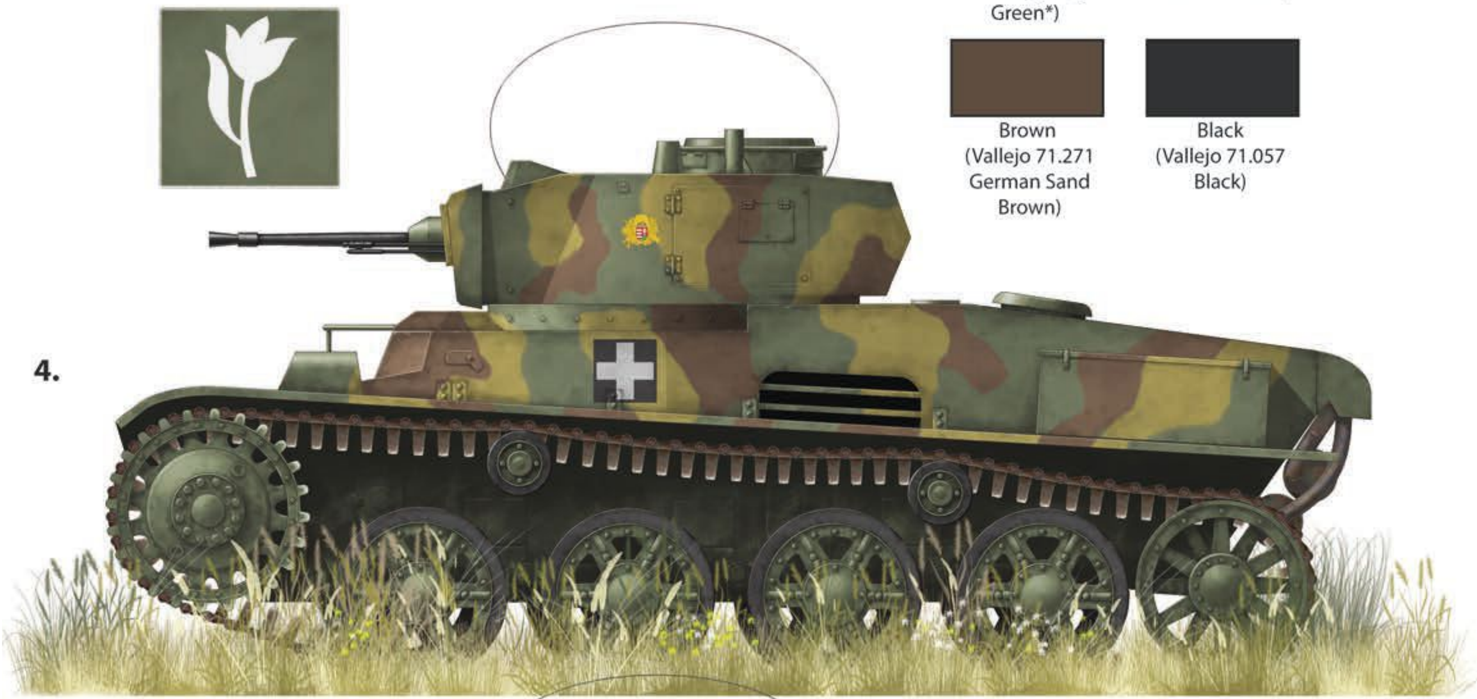
🟩 Green (Vallejo 71.006 Camouflage Light Green*)

🟨 Sand (Vallejo 71.028 Sand Yellow*)

🟫 Brown (Vallejo 71.271 German Sand Brown)

⬛ Black (Vallejo 71.057 Black)

4.



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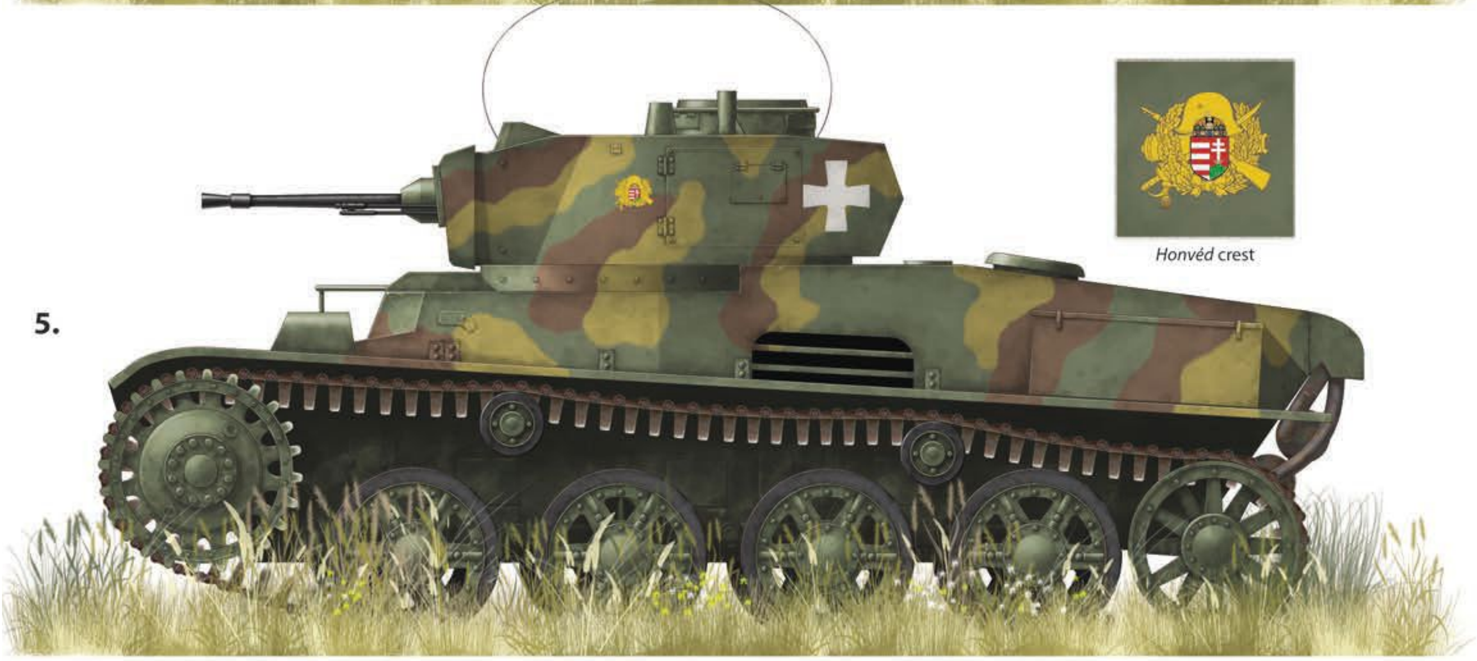
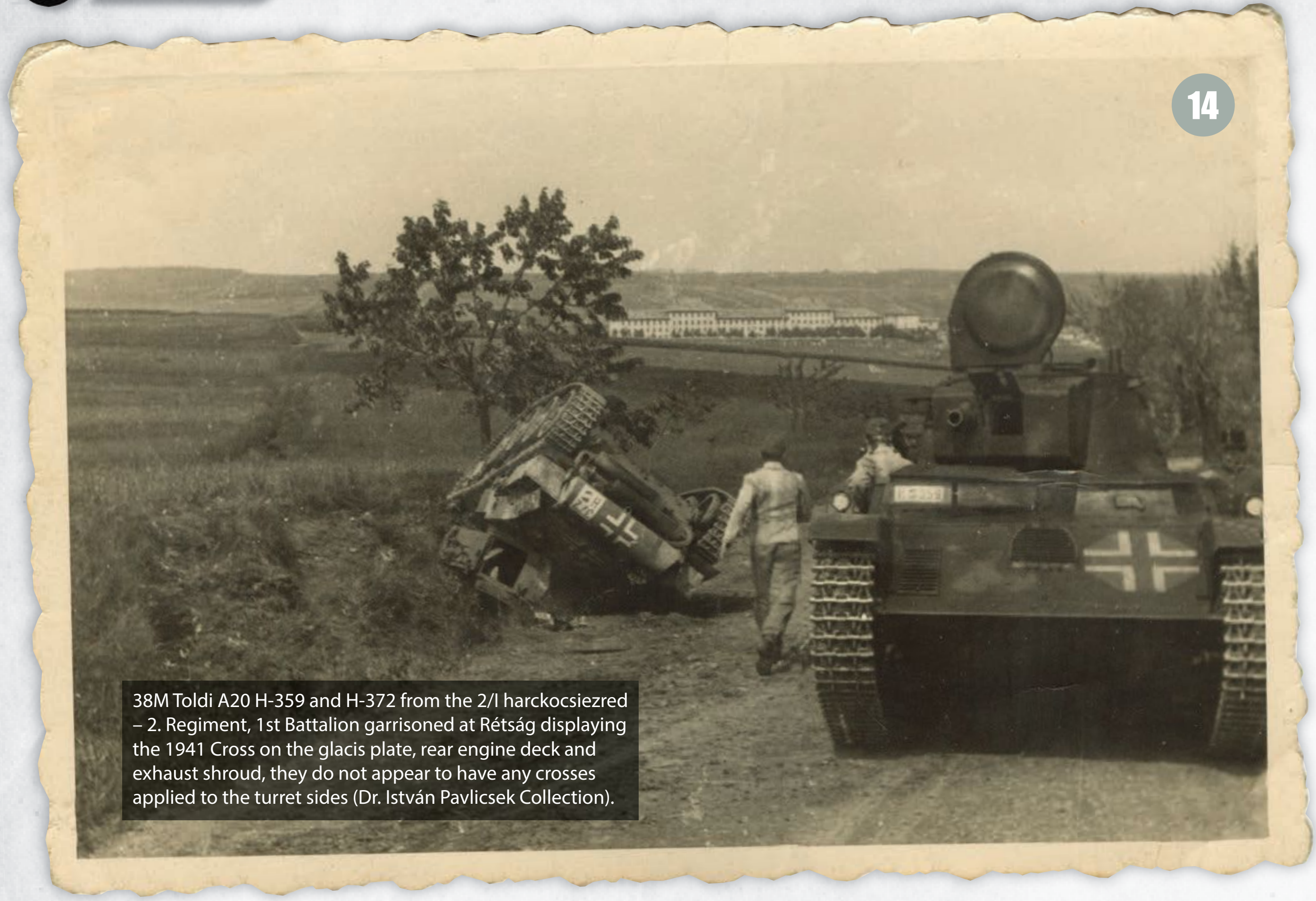


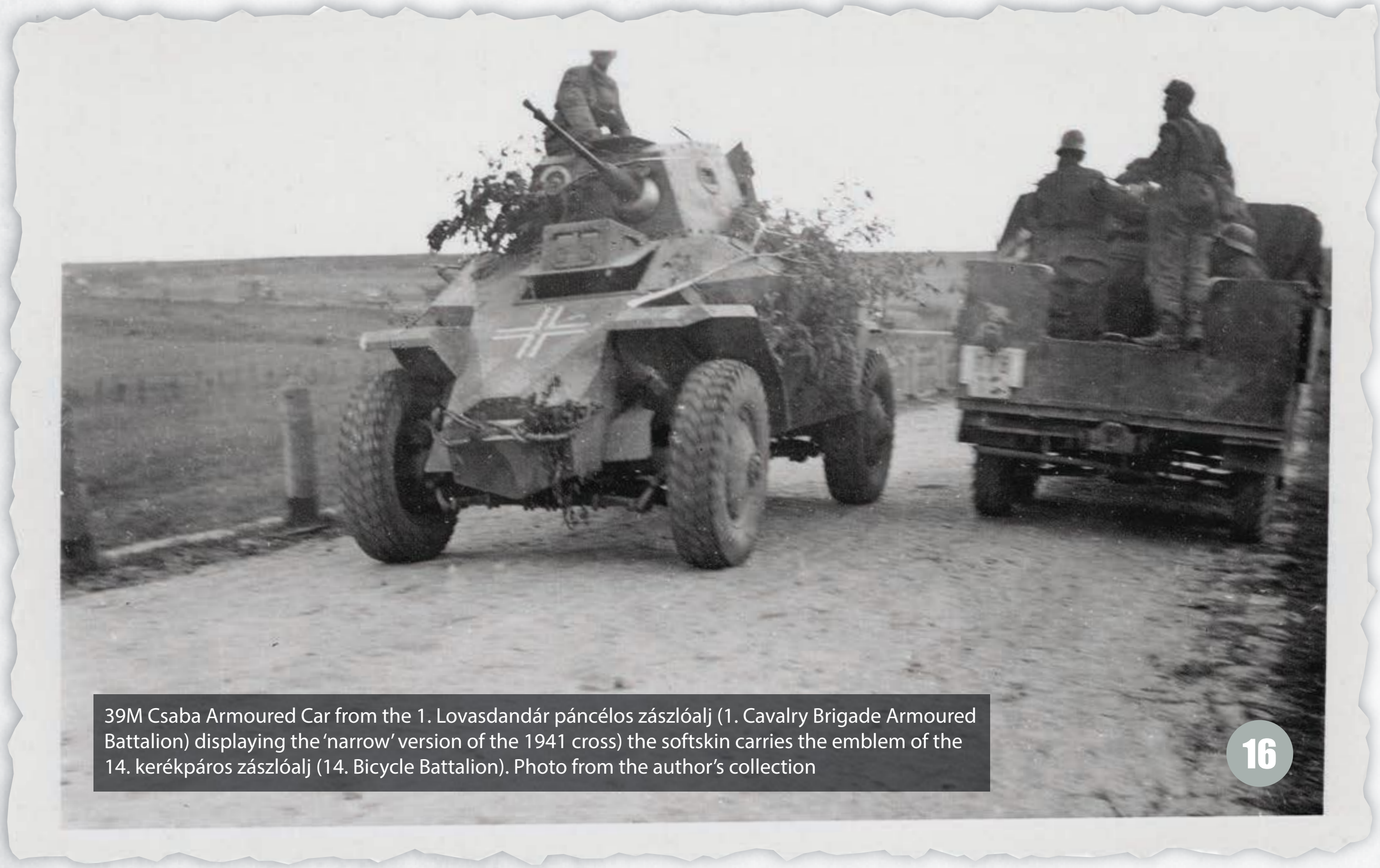
Honvéd crest



14

38M Toldi A20 H-359 and H-372 from the 2/I harckocsiezred – 2. Regiment, 1st Battalion garrisoned at Rétság displaying the 1941 Cross on the glacis plate, rear engine deck and exhaust shroud, they do not appear to have any crosses applied to the turret sides (Dr. István Pavlicsek Collection).

After the 1941 Yugoslavian operations, the southern operational command staff commented in their after-action reports the difficulty of identifying friendly vehicles during combat, due to the large amount of individual and proposed markings on Hungarian vehicles at the time. The Chief of Staff at the National Civil and Defence Ministry cancelled the decree No.471.100/eln. of 1940 with immediate effect. The department looked at all the proposals that were under consideration or applied to vehicles at that time and decided on a uniform national emblem that would be applied to all armoured vehicles without exception; this was accomplished with decree No. 440.348/eln. of 1941. The new emblem was to be that originally proposed by the Gyorshadtest-Parancsnokság



39M Csaba Armoured Car from the 1. Lovasdandár páncélos zászlóalj (1. Cavalry Brigade Armoured Battalion) displaying the 'narrow' version of the 1941 cross) the softskin carries the emblem of the 14. kerékpáros zászlóalj (14. Bicycle Battalion). Photo from the author's collection

16

and Hadtitechnikai Intézet, with some revision of the dimensions.

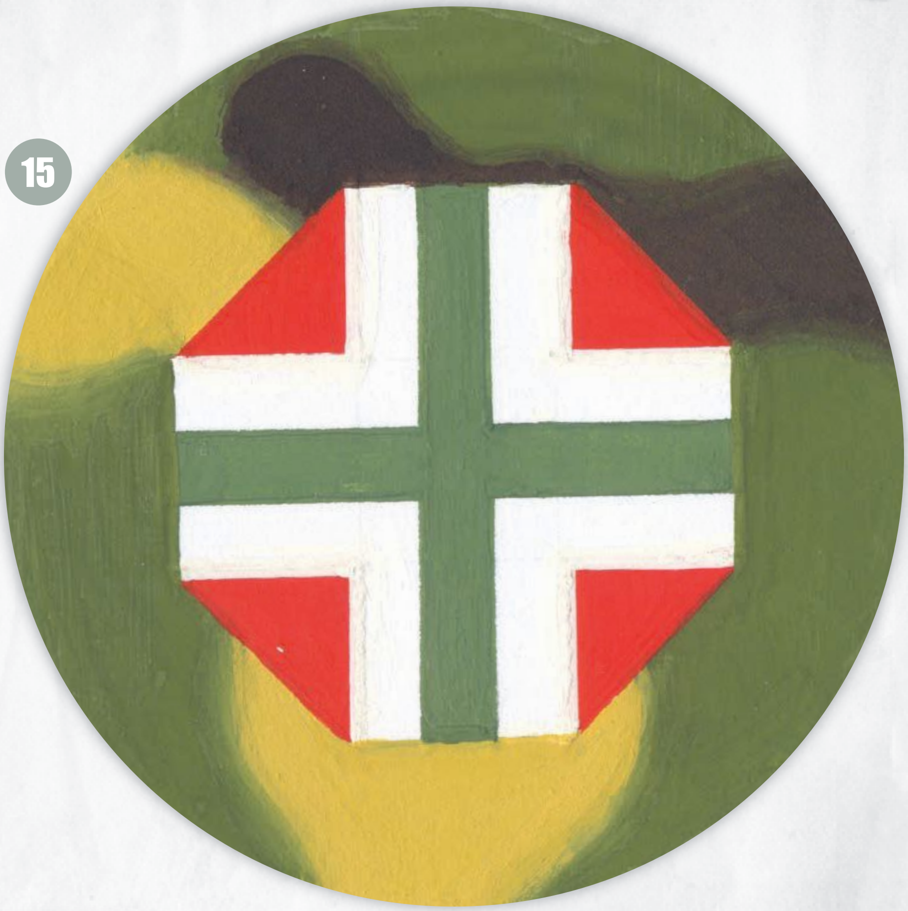
The original proposal was for a green cross 500mm square, bordered in white on a red octagonal background. This was felt by the troops to be too large and would offer an ideal aiming point for enemy gunners; it was later reduced in size by 30% to 350mm square, some units either took matters into their own hands to reduce the emblems even further or simply incorrectly applied the crosses as we will see later. The cross was to be applied without exception in five locations, the turret sides, front, and rear and engine decks of the vehicles.

To muddy the waters a little more, there was one further variation of the 1941 octagonal cross and vehicles from two units are seen displaying this 'narrow' cross; the 1. Lovasdandár páncélos zászlóalj (1. Cavalry Brigade Armoured Battalion) and the 1. felderítő zászlóalj - 1. Reconnaissance Battalion. It is occasionally referred to as the 'narrow war marking' in Hungarian texts due to the actual width of the green sections of the cross **(image 15)**. I have found no documentation to date why this occurred in these two units, both units retained the emblem in the narrow proportions until the 1942 cross was introduced.

The Honvéd Légierő (Hungarian Air Force) noted that after the declaration of war with the Soviet Union in 1941; the visibility of the three coloured chevron in use on their aircraft was extremely poor and many times German pilots had mistakenly engaged Hungarian aircraft. The Germans at this time were pressing for the use of a standard unified insignia for the entire Axis powers. The General Staff of the Honvéd Légierő in response to this proposed a white cross bordered in black within a green square framed in red, however experiments showed that in this form the colours were difficult to recognise, at the same time the Honvéd Légierő staff proposed a simple insignia of a white cross within a black square, which was similar to the insignia in use on German aircraft, and contained the same colours albeit reversed. This was accepted on March 12 with Decree No. 142.415/1942.

It had also been reported to the Védelmi Minisztérium Főparancsnoksága – Chief of Staff at the Ministry of Defence – that the current three colour insignia in use on the Magyar Királyi Honvédség vehicles was also difficult to visualise by the pilots of the Honvéd Légierõ, it did not help matters when AFV crewmen deliberately covered the largest of the emblems on their vehicles which was the front glacis insignia with mud or equipment to hide it from potential anti-tank gunners as they considered it nothing more than a 'bull's-eye' for enemy gunners to aim for.

15



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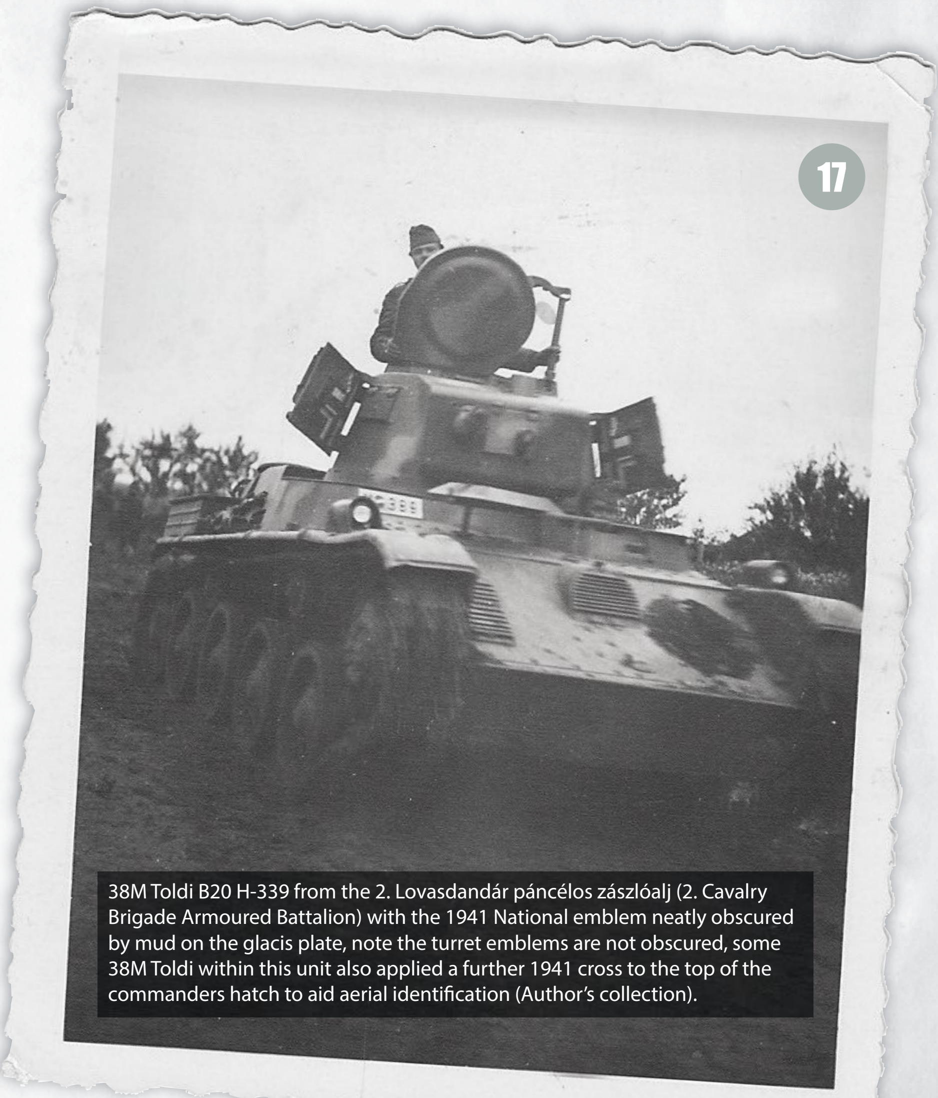
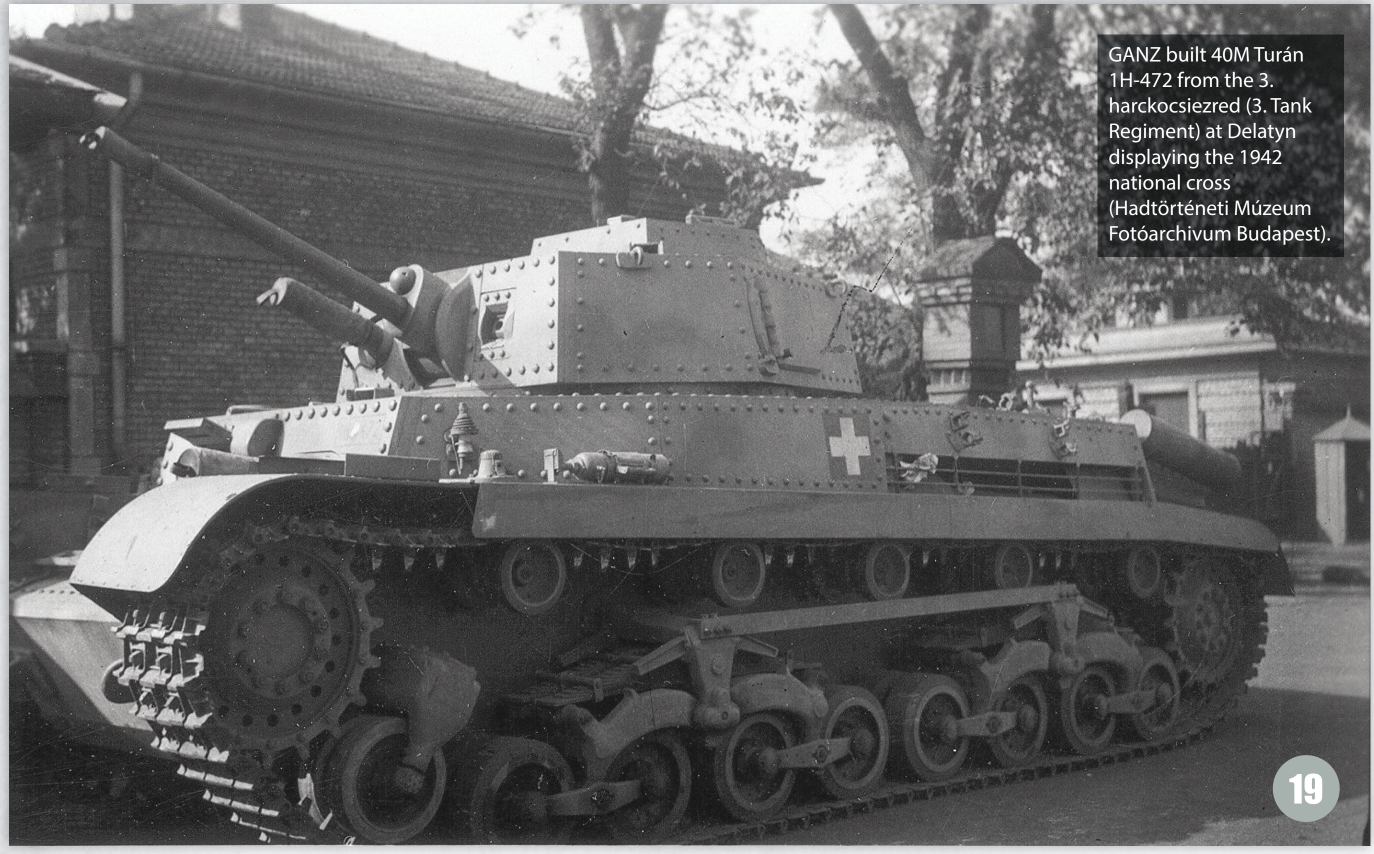


38M Toldi B20 H-339 from the 2. Lovasdandár páncélos zászlóalj (2. Cavalry Brigade Armoured Battalion) with the 1941 National emblem neatly obscured by mud on the glacis plate, note the turret emblems are not obscured, some 38M Toldi within this unit also applied a further 1941 cross to the top of the commanders hatch to aid aerial identification (Author's collection).



GANZ built 40M Turán 1H-472 from the 3. harckocsiezred (3. Tank Regiment) at Delatyn displaying the 1942 national cross (Hadtörténeti Múzeum Fotóarchivum Budapest).

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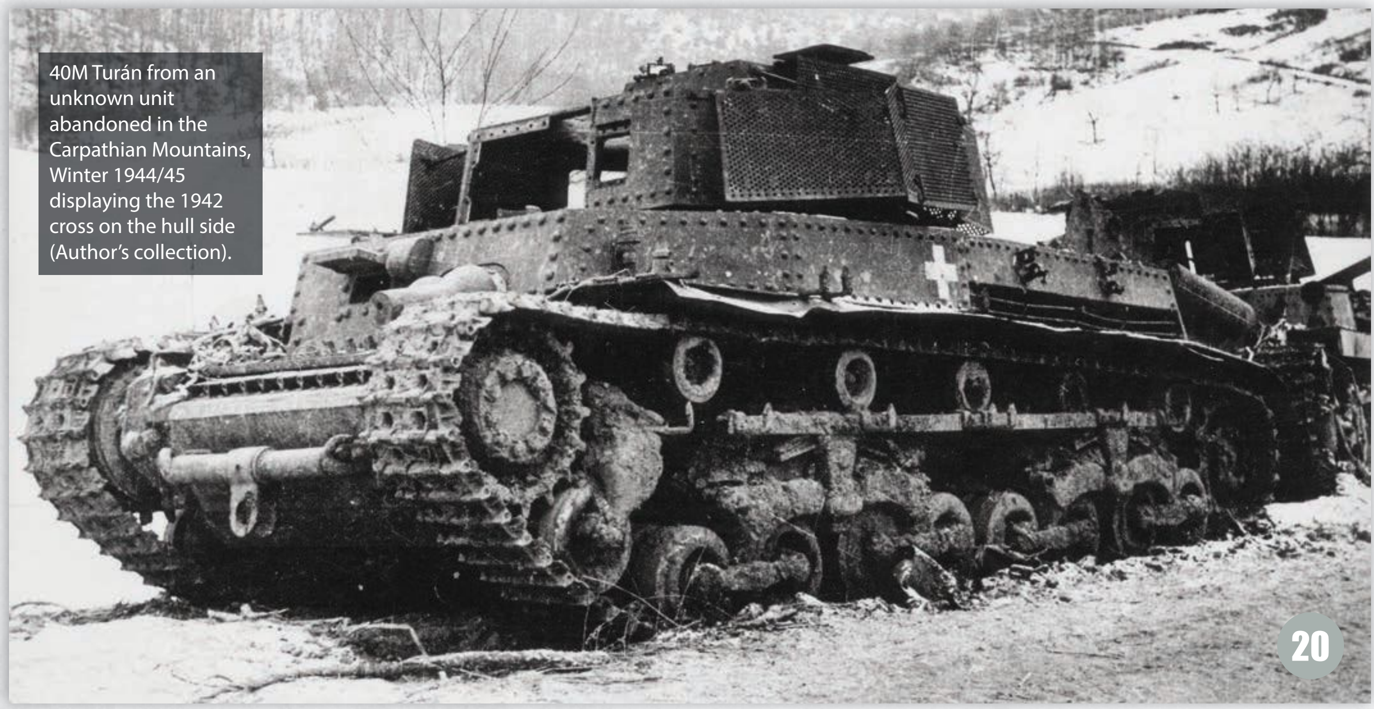
It was suggested by the Hungarian High Command that the Hungarian armed forces should have a single uniform insignia so as to avoid any misidentification of friendly equipment and possible fratricide, during these discussions it was pointed out that a great proportion of Hungary was forested and identification from the air was difficult at best.

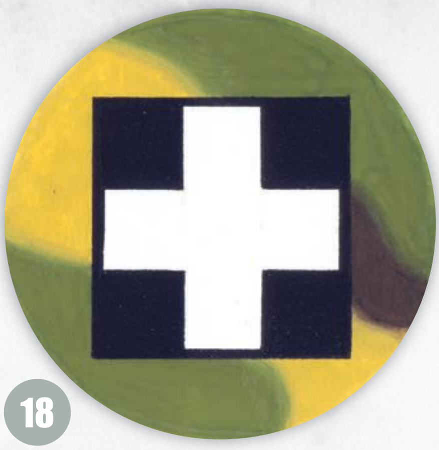
The proposal was to dispense with the national emblems in the multiple locations, reduce the sizes of those that would remain visible to ground personnel and continue with large air recognition insignia on the engine decks. This proposal was accepted on November 16 1942 with the Decree No. 18.535/eln 3b 1942, which prescribed the sizes of the insignia, and its locations on armoured vehicles. The insignia were to be applied on the hull sides and engine deck only **(image 18)**. It was however to be early 1943 before the new emblem would be seen in any significant numbers on the Honvéd's new equipment, due to the rearmament and reorganisation program that was underway during the end of 1942. There are several photos of 40M Turán leaving the factories and of units in conversion training during 1943 which carry no 1942 national cross.

There was, however, after the implementation of the decree a certain amount of individualism between units; several units wanted to maintain their identity; a good example of this is the Rohamtüzérosztály (Assault Artillery Battalions) who all appear to have used a different style and placement of the new national emblem, however all had the regulation aerial identification emblem as per the prescribed orders.



40M Turán from an unknown unit abandoned in the Carpathian Mountains, Winter 1944/45 displaying the 1942 cross on the hull side (Author's collection).

20



18

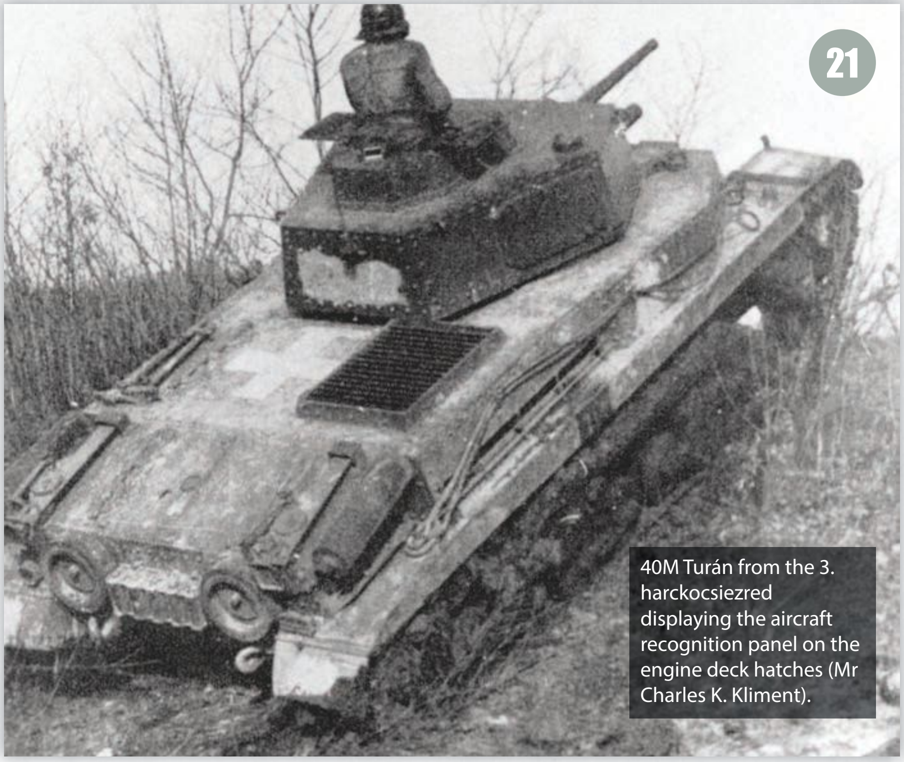
Cross Dimensions (image 18): Three sizes of cross for placement in various locations/vehicles

D18.535/eln. 3b 1942	
Width of square	800/400/320mm
Width of cross	680/340/280mm
Width of cross arms	200/100/80mm
Distance of edge of square to the cross arms	60/30/20mm

Conclusion

As a closing note it is worth mentioning that at the time of this decree being implemented, the 1. Tábori Páncéloshadosztály (1. Armoured Field Division) had already deployed into Russia and was conducting operations on the Don Front. The 30. harckocsiezred (30. Tank Regiment) with its two battalions was the 1. Tábori Páncéloshadosztály integral Tank Regiment. This unit did not change the national cross emblem on their equipment to the new 1942 type, but fought with the 1941 type in place until the remnants were recovered to Hungary in early 1943. There are examples however of replacement or repaired vehicles being (re)deployed to the Don Front, which carried the 1942 insignia fighting alongside vehicles with the 1941 insignia. The 1942 national cross would remain in operation without official changes until the end of hostilities in 1945.

Hopefully this small article has whetted your appetite to discovering more about the markings and insignia applied to the Honvéd's vehicles, and will assist and enable you to detail your models accurately. I would welcome any correspondence from those interested individuals who would like to add to, or correct this article to enable a more complete picture to be established concerning the markings used by the Honvéd.



21

40M Turán from the 3. harckocsiezred displaying the aircraft recognition panel on the engine deck hatches (Mr Charles K. Kliment).

Primary Sources

Hadtörténelmi Levéltár (Hungarian Military History Archives, Budapest)

Hadtörténeti Múzeum Fotóarchivum (Hungarian Military MuseumPhoto Archives, Budapest)

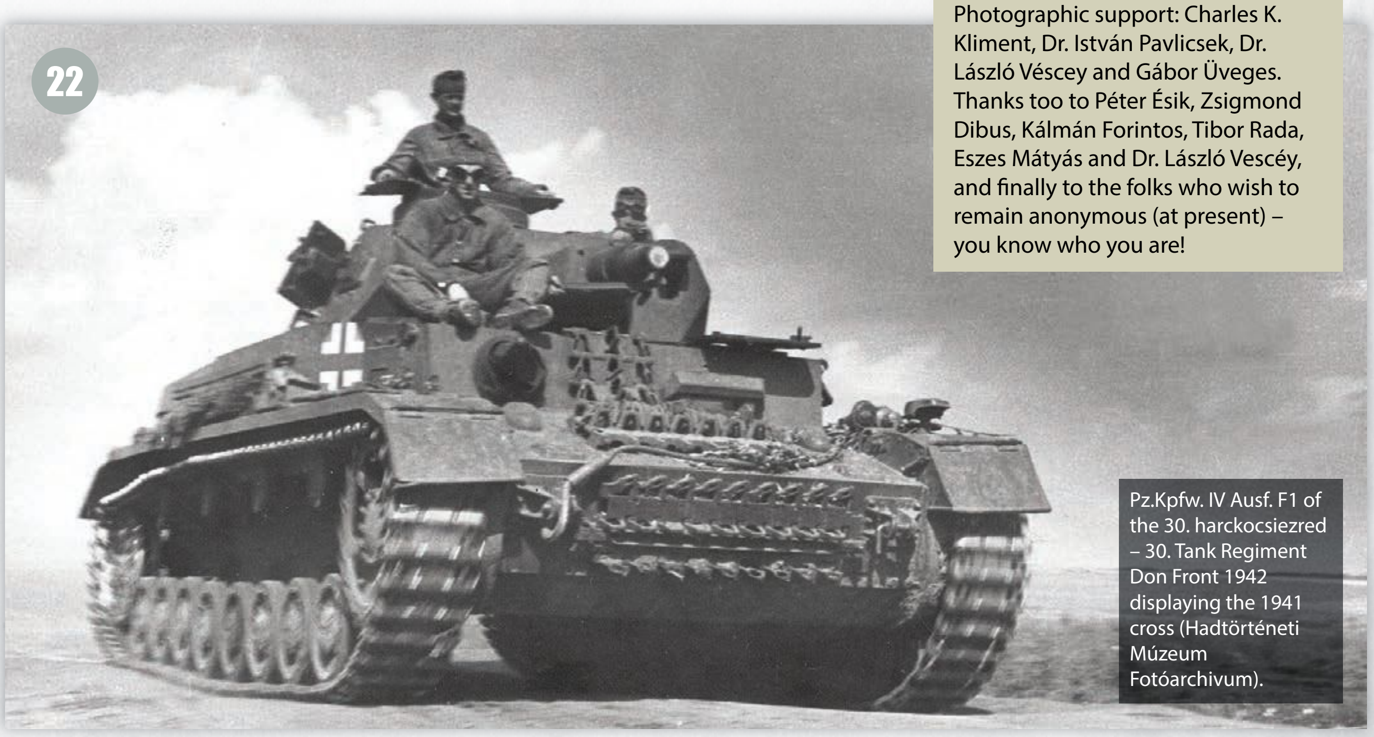
Further Reading

L. Neihorster, The Royal Hungarian Army 1920-1945, Volume 1: Organisation and History (Axis Europa Publishing, 1998)

P. Mujzer, The Royal Hungarian Army 1920-1945, Volume 2: The Hungarian Mobile Forces (Axis Europa Publishing, 2000)

Acknowledgements

Photographic support: Charles K. Kliment, Dr. István Pavlicsek, Dr. László Véscey and Gábor Üveges. Thanks too to Péter Ésik, Zsigmond Dibus, Kálmán Forintos, Tibor Rada, Eszes Mátyás and Dr. László Vescéy, and finally to the folks who wish to remain anonymous (at present) – you know who you are!



22

Pz.Kpfw. IV Ausf. F1 of the 30. harckocsiezred – 30. Tank Regiment Don Front 1942 displaying the 1941 cross (Hadtörténeti Múzeum Fotóarchivum).

AFVs of the Honvéd in Miniature

There are many more kits of wartime Hungarian vehicles on the market now than there were a few years ago. Here is a list of the most important recent kit releases of Hungarian AFVs and a range of decals and accessories.

Bronco Models 1/35

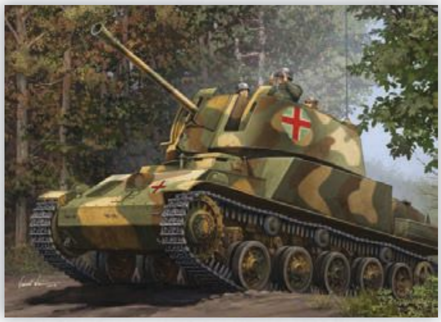
40M Anti-Aircraft Tank Nimrod (ref. CB35066)
40/43M 'Zrinyi' II 105mm Assault Gun (ref. CB35036)

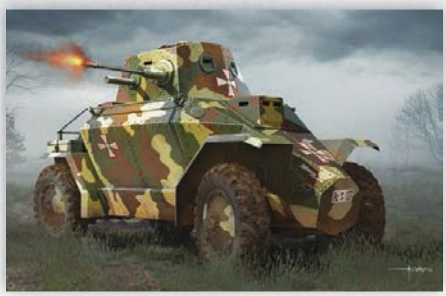
Hungarian 40M Anti-Aircraft Tank
'Nimrod'
BRONCO
Bronco Models
CB35066
1/35 SCALE

Hobbyboss 1/35

Light Tank 38M Toldi I (A20) (ref. 82477)
Light Tank 38M Toldi II (B40) (ref. 82478)
Light Tank 38M Toldi III (C20) (ref. 82479)
40M Nimrod Anti-Aircraft Gun (ref. 83829)
39M CSABA Armored Car (ref. 83866)
44M Tas Heavy Tank (ref. 83850)

HOBBY BOSS
1:35
AGES 14+





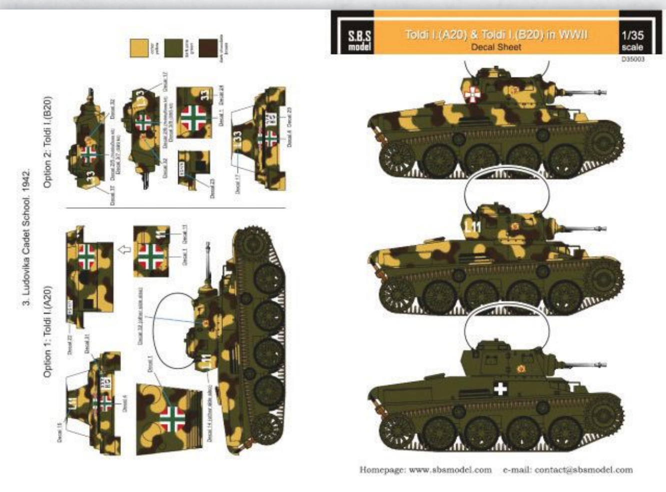
IBG Models 1/72

Toldi I (ref. 72027)
Toldi II (ref. 72028)
Toldi IIa (ref. 72029)
Toldi III (ref. 72030)

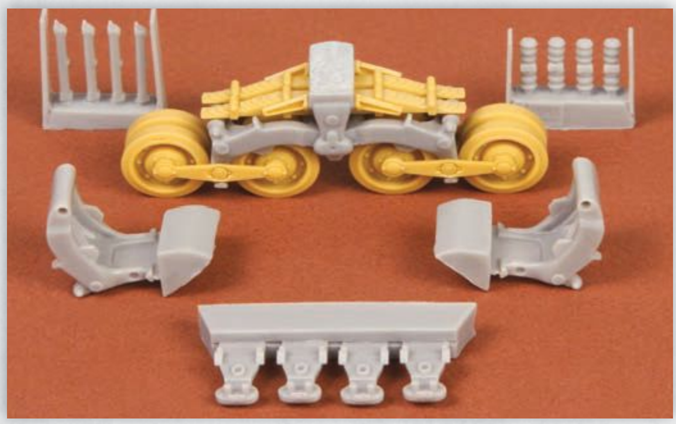
1:72
IBG MODELS
Toldi II – Hungarian Light Tank

Decals and Accessories

Bison Decals 1/35 Hungarian Toldi 38.M Tank (ref. 35177)
Bison Decals 1/35 Hungary in WW2 Part 1 (ref. 35113)
Bison Decals 1/72 Hungarian Tanks in WW2 Part 2 (72028)
SBS Model 1/35 Toldi I (A20-B20) in WWII (ref. D35003)


S.B.S model
Toldi I.(A20) & Toldi I.(B20) in WWII
Decal Sheet
1/35 scale
D35003
Option 2: Toldi I (B20)
3. Ludovika Cadet School, 1942.
Option 1: Toldi I (A20)
Homepage: www.sbsmodel.com e-mail: contact@sbsmodel.com

SBS Model 1/35 Hungarian 40M Nimrod in WWII (ref. D35004)
SBS Model 1/35 40/43M Zrínyi assault gun mantlet for Bronco kit (ref. 35001)
SBS Model 1/35 40/43M Zrínyi assault gun suspension set for Bronco kit (ref. 35002)



SBS Model 1/35 Toldi 40mm Gun Barrel for Hobbyboss kit (ref. 35008)
SBS Model 1/35 Zrínyi roadwheels set for Bronco kit (ref. 35009)
SBS Model 1/35 Toldi I 20mm Gun Barrel for Hobbyboss kit (ref. 35011)
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SBS Model 1/35 Toldi I (B20) Corrected Turret for Hobbyboss without barrel (ref. 35015)
SBS Model 1/35 Toldi I (B20) Corrected Turret for Hobbyboss with barrel (ref. 35016)
SBS Model 1/35 Toldi I (A20) Corrected Turret for Hobbyboss without barrel (ref. 35017)
SBS Model 1/35 Toldi II (B20) Corrected Turret for Hobbyboss without barrel (ref. 35018) and with barrel (ref. 35019)
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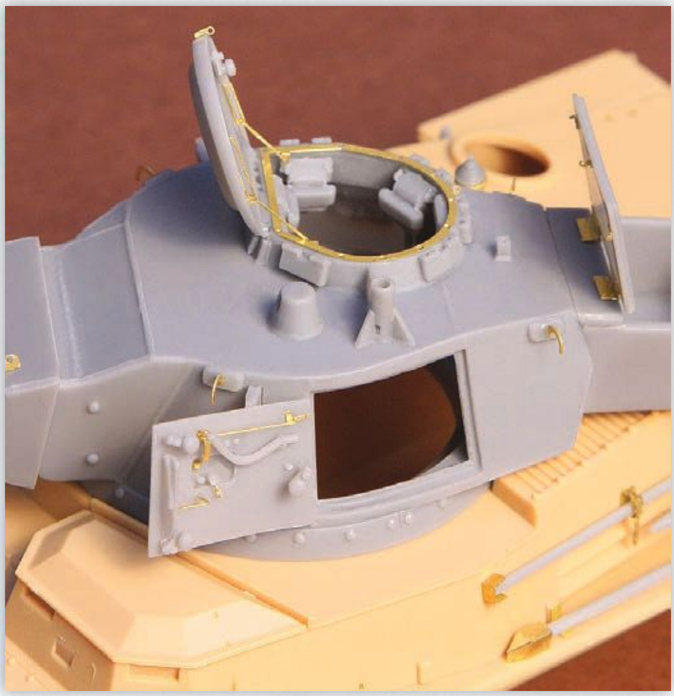

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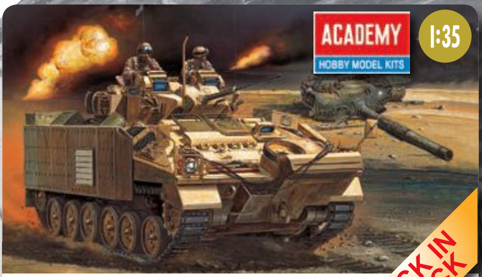
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Warrior MCV Iraq 2003
PKAY13201
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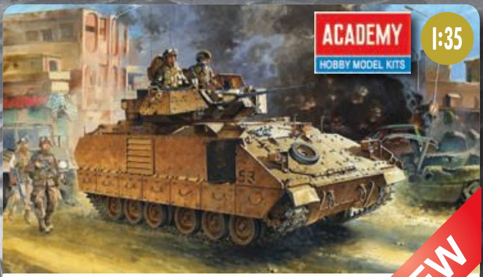
ACADEMY HOBBY MODEL KITS
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M2A2 Bradley Iraq
PKAY13205
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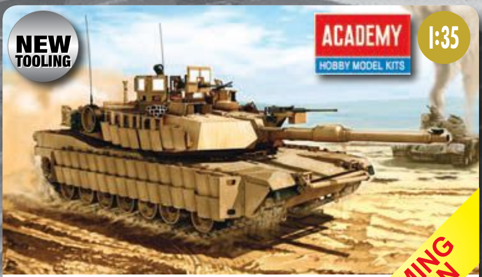
NEW TOOLING
ACADEMY HOBBY MODEL KITS
1:35

US Army M1A2 Tank
PKAY13298
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TAKOM
1/35
CHIEFTAIN

Chieftain Marksman SPAAG
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PKTAK02040
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BUNDESWEHR FLAKPANZER 1
1/35
TAKOM

Bundeswehr Flakpanzer 1
Gepard SPAAG PKTAK02044
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IRAQI MEDIUM TANK
TYPE-69II
1/35
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Iraqi Medium Tank Type-69 II
2 in 1 PKTAK02054
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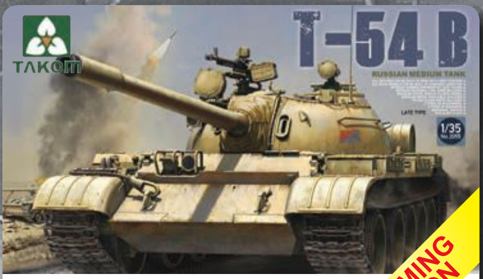
TAKOM
T-54 B
RUSSIAN MEDIUM TANK
1/35

Russian Medium Tank T-54B
Late PKTAK02055
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Soviet SPAAG ZSU-57-2 2 in 1
PKTAK02058
COMING SOON

TRUMPETER
1:35

PLA Tank Crew
PKTM00431
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TRUMPETER
1:16

PzKpfw IV Ausf F2 German
Medium Tank PKTM00919
NEW

TRUMPETER
1:35

T-62 Mod 1975
(MOD 1962 + KTD2) PKTM01551
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TRUMPETER
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TRUMPETER
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PKTM05552
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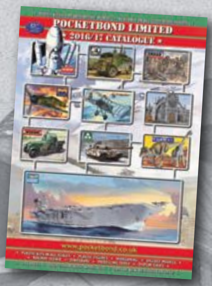
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Scud Busted: Part 2

Christian Lupu continues with Trumpeter's monster kit.

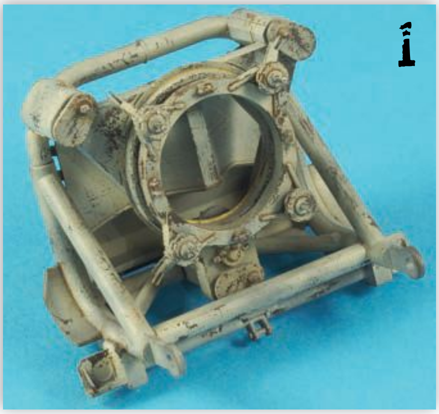
The Missile

Before dealing with the Scud itself, I needed to complete the mechanism that would support the missile in its erected position **(photo 1)**. This was a fairly straightforward operation, the only point worth mentioning being the assembly of the photo-etched rings (PE-C14 and PE-C17) and the plastic parts. These need to be attached without glue, to allow them to move when being fitted to the missile (in step 34).

Comprising a two-part body, engine, stabiliser fins and a few photo-etched details, the missile was surprisingly easy to assemble. Despite the very long body, the seams resulting from joining the two halves required the minimum of filler, and a light sanding to achieve a smooth finish. The same simplicity of construction was true of the support rails (**photo 2**). Painting the missile would be very similar to dealing with an aircraft model. With white being the base colour for Iraqi Scuds, any pre-shading would need to be a medium grey rather than black. Revell 74 (Gunship Grey) being the ideal choice, this was concentrated around access panels, raised details and stabiliser roots. Having allowed this to fully dry, I followed with a series of light coats of 05 (White), being careful to allow the pre-shading to remain visible. After several thin coats of gloss varnish, I was ready to add the markings **(photo 3)**. A major disappointment, certain markings that would have been present on the Iraqi Scud are missing, and I am not aware of any aftermarket sets to help out at present.

Wheels & Tyres

This is one of my favourite aspects of a wheeled vehicle model, as it presents lots of potential for weathering treatment. Assembly began with the wheel hubs, each being made up of two-parts and a poly-cap. While the outer faces are well detailed, the inner sides are completely plain; no great problem, as they are largely obscured, and can be easily covered with a layer of mud. The tyres fitted perfectly, the only point to note being the direction of the 'chevron' tread pattern, which should be identical on both sides of the vehicle **(photo 4)**. The biggest problem with vinyl tyres is the difficulty in recreating the bulge caused by the vehicle's weight. I imagine this is why many people opt for resin replacements. Another solution is to drill a hole with a 1mm bit through the base of the tyre and into the hub, and insert a screw to force the tyre to flatten at the

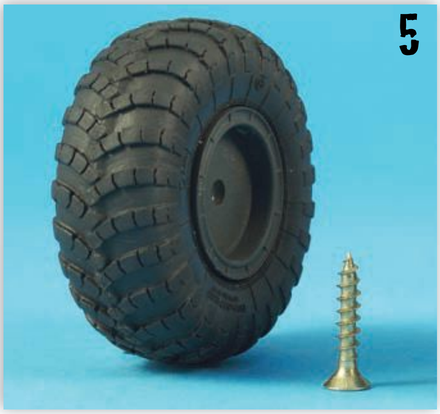


1

2

3

4



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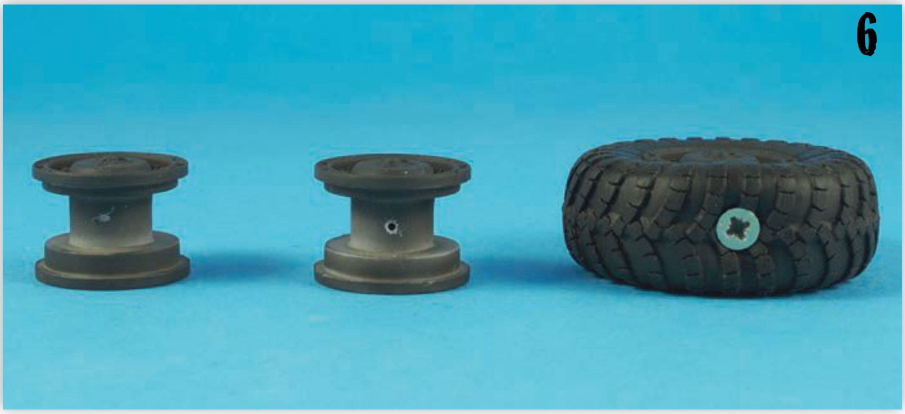
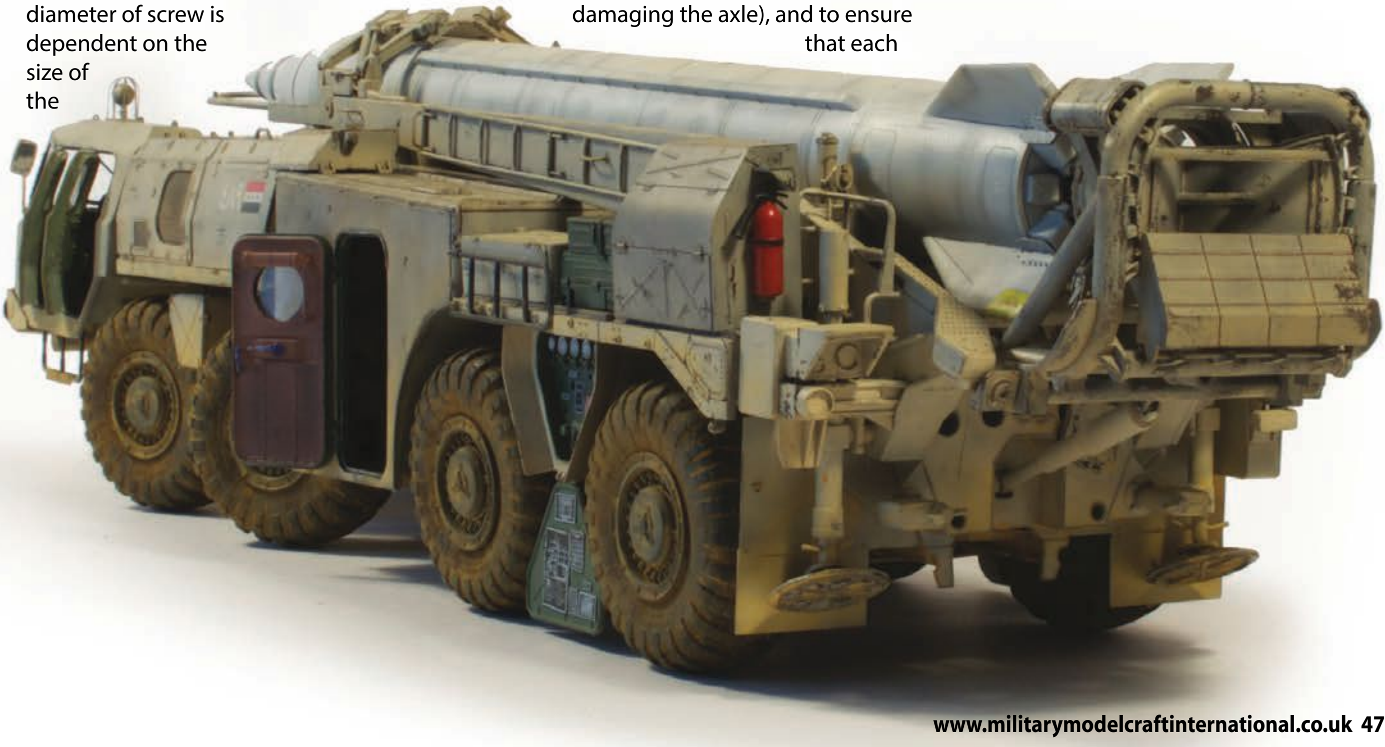
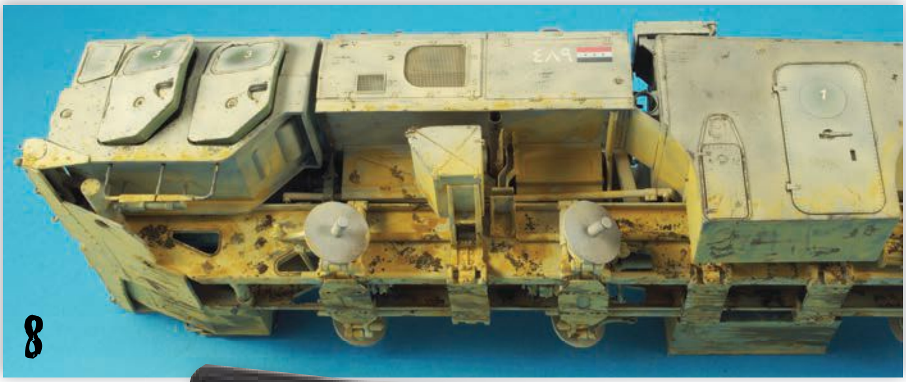


6

point where it touches the ground. Choosing the correct length and diameter of screw is dependent on the size of the tyre. Care is required to avoid over-tightening (resulting in the screw damaging the axle), and to ensure that each tyre has the same appearance so that they all sit level on the ground **(photos 5 & 6)**.





I now prepared various pastes using earth-tone pigments and water, and loosely applied these with a large brush. The first layer was Vallejo 73.103 (Dark Yellow Ochre), followed by smaller amounts of 73.105 (Natural Sienna), and finally spots of A.MIG-3007 (Dark Earth) **(photo 7)**. Once these were dry, I used a stiff brush to remove any excess, and create a more natural appearance. Similar treatment was now given to the underside of the chassis **(photo 8)**.

Final Assembly

And now the moment of truth … bringing all those sub-assemblies together.

The question was how well would they fit. Fearing the worst, I was soon to be proved wrong, as everything lined up perfectly!

It is worth mentioning that the erector support and missile support rails are connected via metal bolts, which prevents them from breaking should you choose to have the missile in the firing position. Similarly, metal pins connect the support to the missile itself.

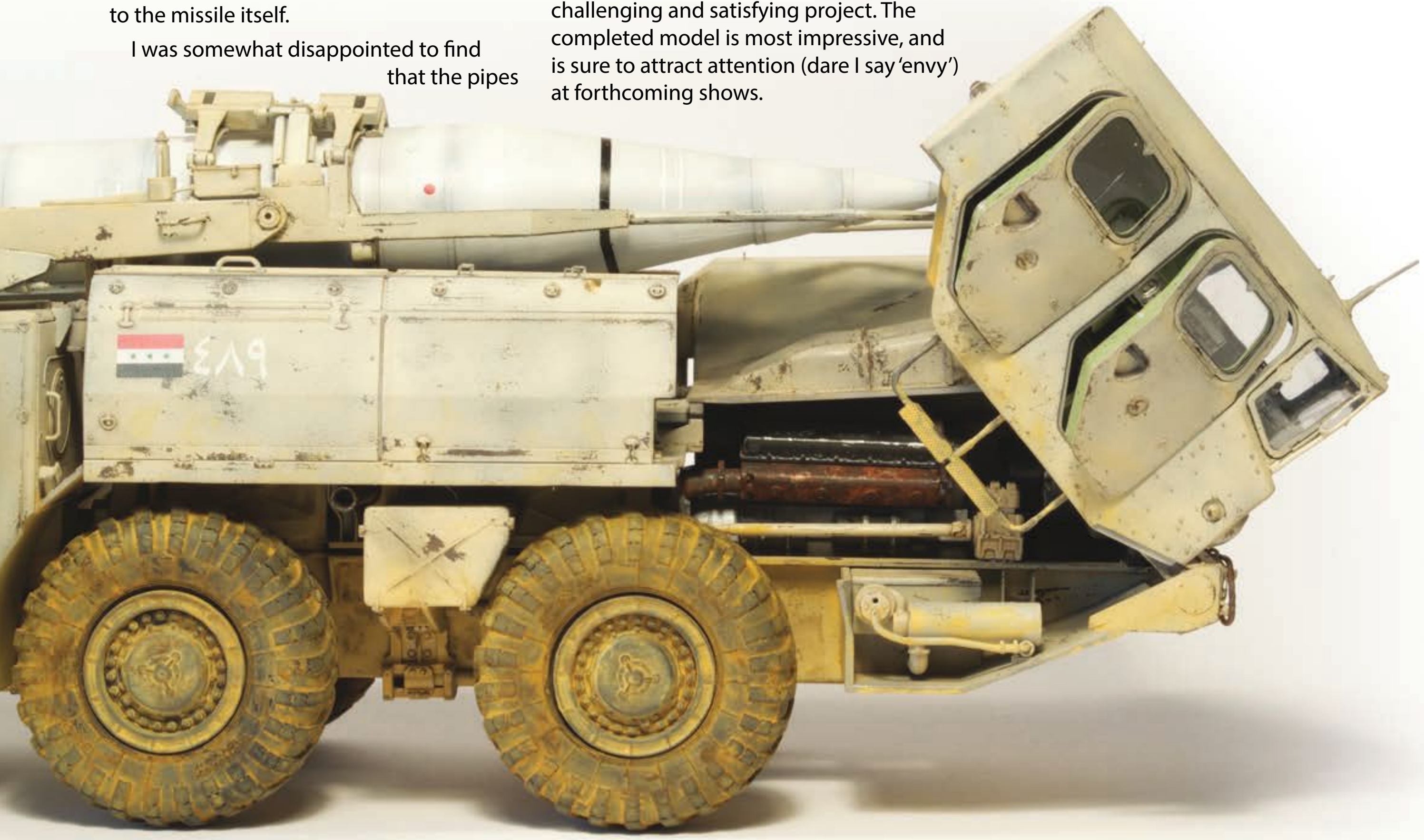
I was somewhat disappointed to find that the pipes leading from the rear of the vehicle to the missile are missing, as are the valves. These are clearly important components, so I cannot understand why they have been omitted. Evidently, Voyager Model's detail set (ref. PE35737) includes these parts. As soon as I manage to get hold of this set (or find an alternative), I will be able to rectify the problem.

Clearly, I was less than 100% satisfied with the kit. That said, it was certainly a challenging and satisfying project. The completed model is most impressive, and is sure to attract attention (dare I say 'envy') at forthcoming shows.

Soviet (9P117M1) Launcher with R17 Rocket of 9K72 Missile Complex
"Elbrus"(Scud B)
01019

Availability

Trumpeter 1/35 Soviet (9P117M1) Launcher with R17 Rocket of 9K72 Missile Complex 'Elbrus' (Scud B) 0 (ref. 01019) is available from all good model shops. Trumpeter kits are distributed in the UK by Pocketbond (www.pocketbond.co.uk).



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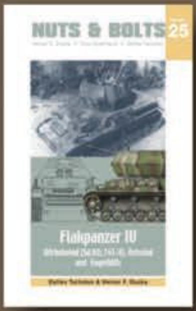

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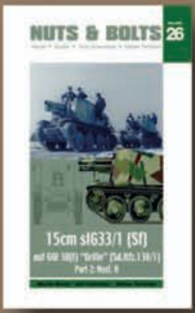

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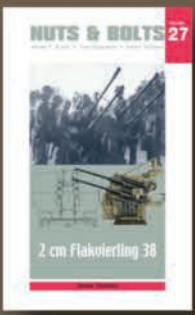

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375 photos (166 historic, 21 model, 188 modern)
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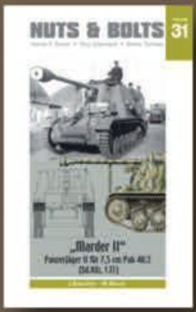

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14 camouflage schemes, tactical markings,
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471 photos (279 historic, 45 model, 147 modern)
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16 camouflage schemes, tactical markings,
table of organsisation (KStN)

NUTS & BOLTS 33
leichte Feldhaubitze 18, GW II für le. F.H. 18/2 „Wespe" und „Hummel-Wespe"

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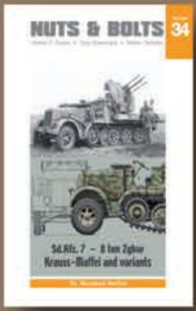

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NUTS & BOLTS 35

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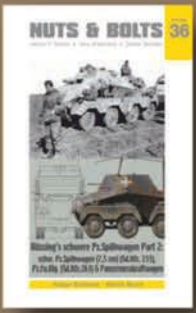
Büssing's schwere Pz.Spähwagen Part 1: - schw.Pz.Spähwagen (SdKfz.231) & schw.Pz.Spähwagen (Fu) (SdKfz.232) (8-Rad)s

192 pages A4, glue-bound, approx. 300 photos, of these 140 contemporary photos from manuals, combat and war fronts in b/w, a number of them previously unpublished; 110 colour photos of the surviving vehicles in public and private collections, 45 colour photos of the models from T.Greenland and V. Branigan, English / German captions, 40 pages English / German text, 24 pages of scale drawings of all versions and details in 1:35 scale from John Rue, 14 camouflage schemes from Carlos Vaquerizo, and tables of organization of units (Kriegstärke- Nachweisungen KStN) having these vehicles in their arsenal.



Volume 35:
Büssing's schwere Pz.Spähwagen Part 2 - schw.Pz.Spähwagen (7,5 cm) (SdKfz.233), schw.Pz.Fu.Wg (SdKfz.263) (8-Rad) & Panzermesskraftwagen

Part 2 with focus on schwere Panzerspähwagen (7,5 cm) (SdKfz.233), schwere Panzerfunkwagen (SdKfz.263) (8-Rad) and Panzermesskraftwagen. The decision, to split this subject into two parts has shown to be correct due to the volume of material that we have now collected. We were very reticent initially as there were no surviving Sd.Kfz.233 and 263 as far as we know; however this second volume exceeds the first by some 8 pages! Using Museum photos of surviving vehicle components and of parts from other vehicle types common to the SdKfz.233 & SdKfz.233 we believe that the museum photo section is comparable in quality and information to previous issues.

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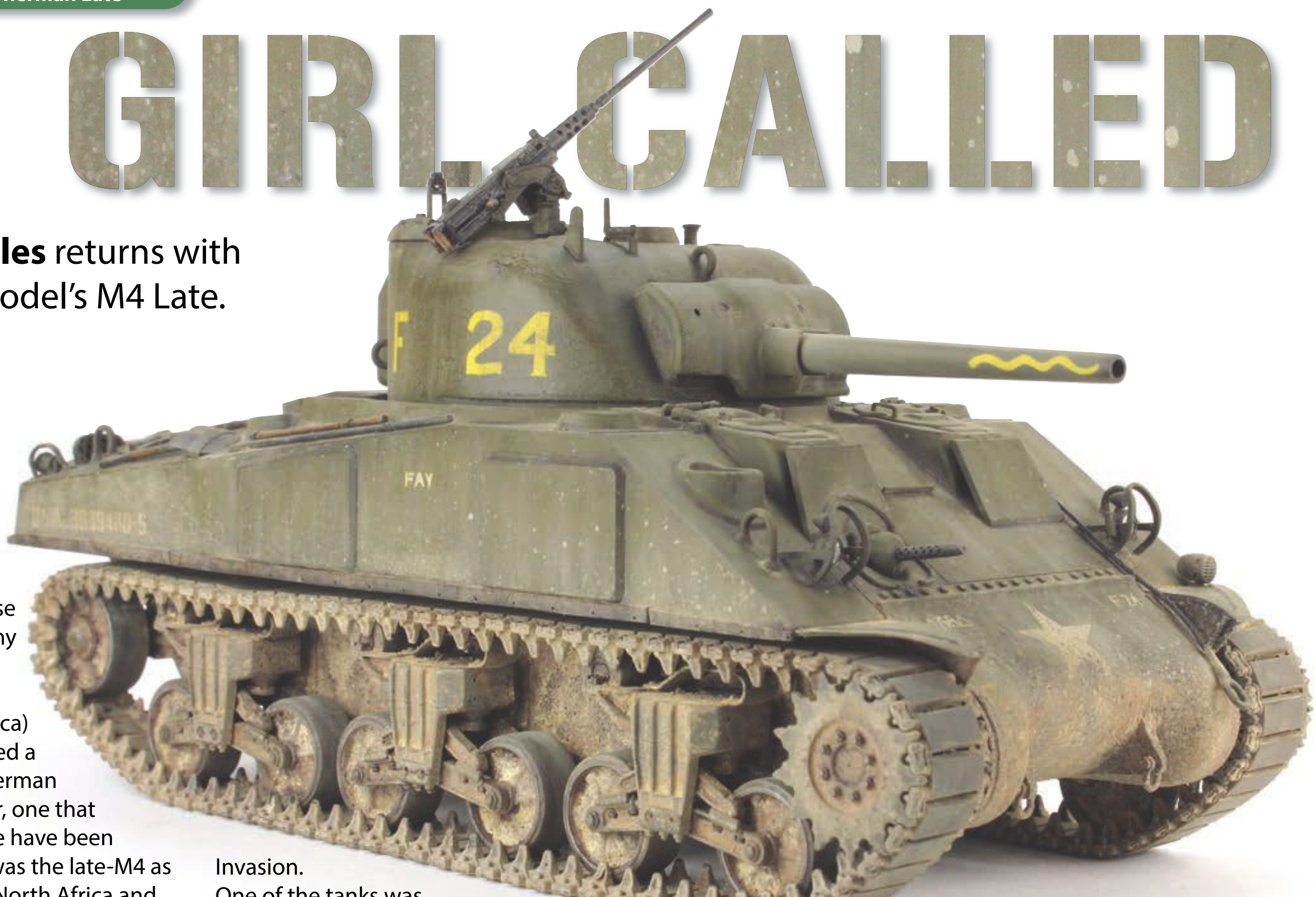
A GIRL CALLED

John Hales returns with Asuka Model's M4 Late.



The Japanese company Asuka Model (previously known as Tasca) have produced a variety of Sherman kits. However, one that seemed to be have been overlooked was the late-M4 as deployed in North Africa and North West Europe. With all the necessary components in their existing kits, we finally saw the release of this iconic tank last year. The new kit is a near-perfect match to the M4 produced by Pullman-Standard Car Co., and bears a strong resemblance to the surviving example on display in the town of Wiltz in Luxembourg (though this vehicle has an earlier turret).

The Model

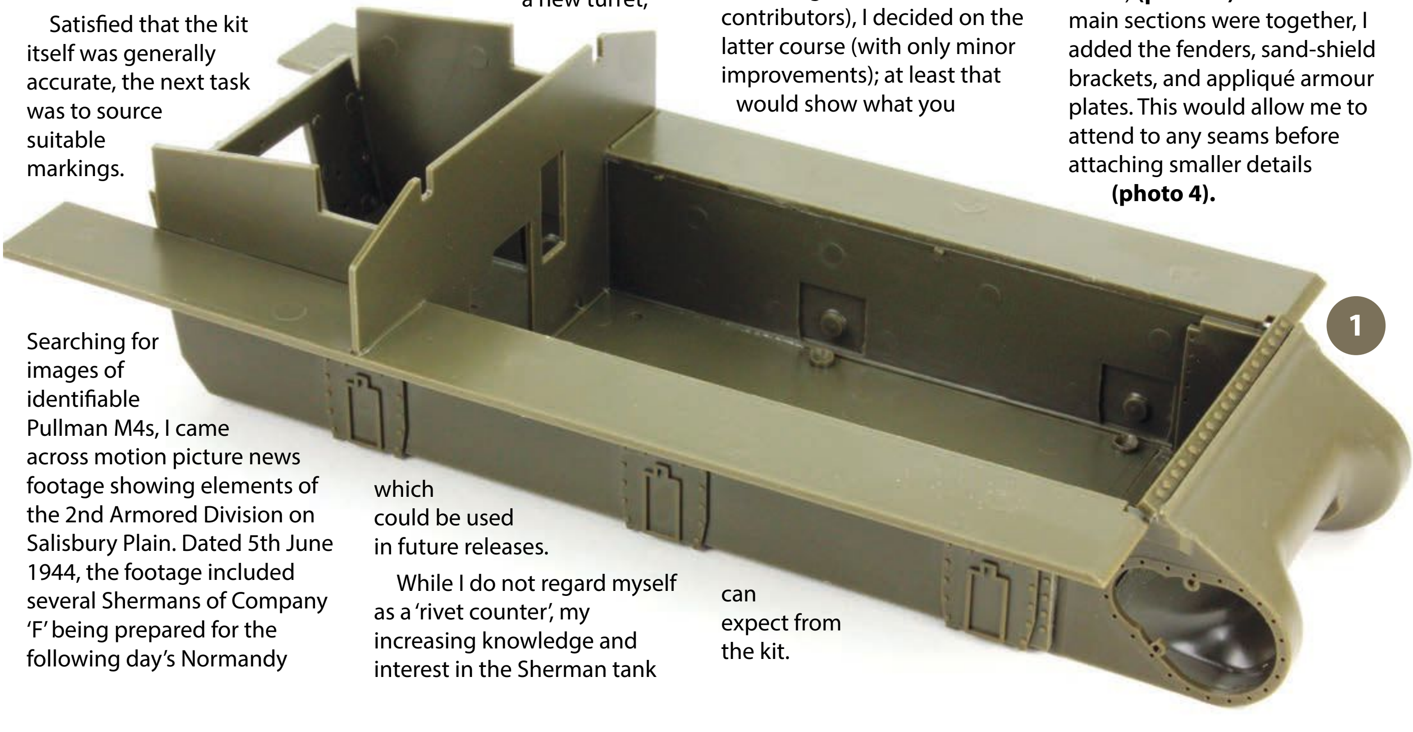
Satisfied that the kit itself was generally accurate, the next task was to source suitable markings.

Searching for images of identifiable Pullman M4s, I came across motion picture news footage showing elements of the 2nd Armored Division on Salisbury Plain. Dated 5th June 1944, the footage included several Shermans of Company 'F' being prepared for the following day's Normandy Invasion.

One of the tanks was fitted with the distinctive Pullman antenna mount, and a check of the vehicle serial number (3039460) confirmed that it was manufactured in August 1943. This particular Sherman had the late-version D50878 75mm turret, with revised cheek-casting and minus the pistol port. For a while, the closest Asuka had was the turret from their Sherman Firefly kit, but this had various Firefly modifications. Thankfully, they decided to tool a new turret, which could be used in future releases.

While I do not regard myself as a 'rivet counter', my increasing knowledge and interest in the Sherman tank draws me deeper into the realms of super-detailing. Particularly with the arrival of 'Son of Sherman' (an incredibly detailed reference book by Patrick Stansell and Kurt Laughlin), I have found myself wanting to add more and more detail with each new build. So, tough decision … treat the kit to a full makeover, or settle for an out-of-the-box build. Taking advice from various people (including several MMI contributors), I decided on the latter course (with only minor improvements); at least that would show what you can expect from the kit.

Assembly began with the lower hull. The individual-panel design may put some people off, but this section was really straightforward **(photo 1)**. With the upper hull cleaned-up, I kept this close to hand so that I could dry-fit it against the lower section, and make any adjustments before the glue was fully set **(photo 2)**. Before finally attaching the upper hull, I installed the rear plate, and filled the extra towing-point location slots (shown here in white) **(photo 3)**. Once the two main sections were together, I added the fenders, sand-shield brackets, and appliqué armour plates. This would allow me to attend to any seams before attaching smaller details **(photo 4)**.



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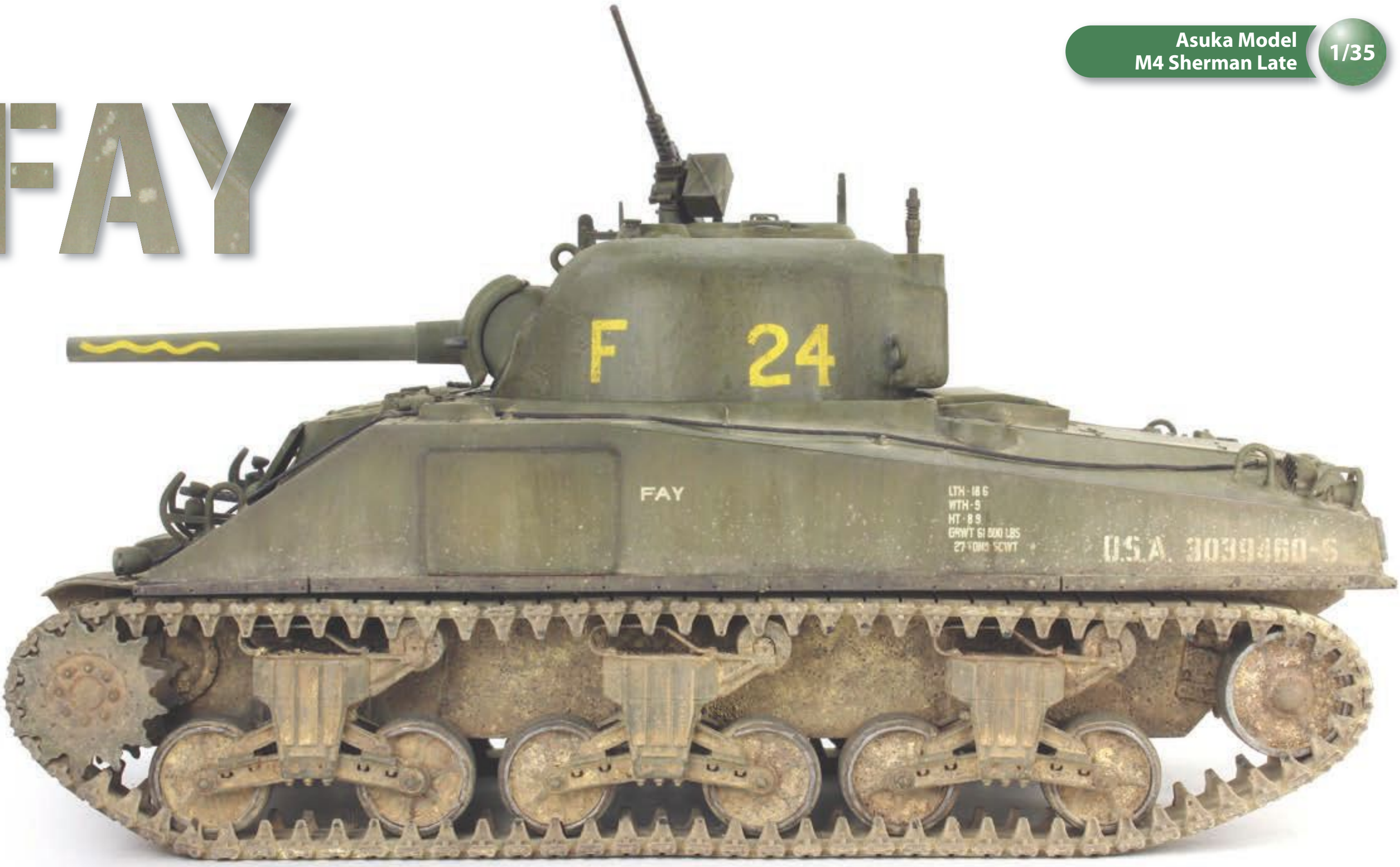
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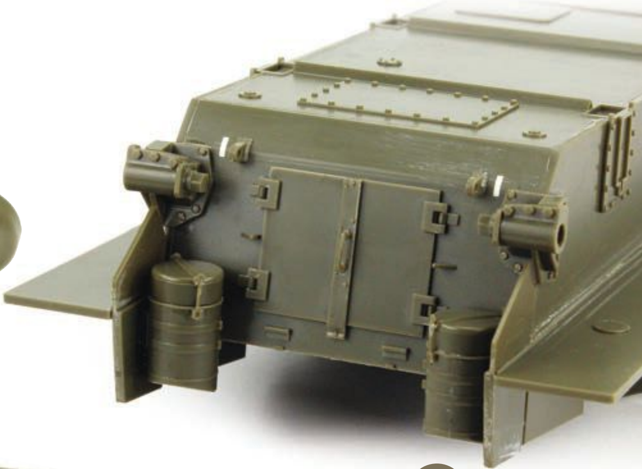
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1/35 U.S. M4
M4 Sherman Late "FAY"
F 24
ASUKA MODEL

Availability

Asuka Models 1/35 M4 Sherman Late 'Fay' (ref. 35-032) is available from good model shops.

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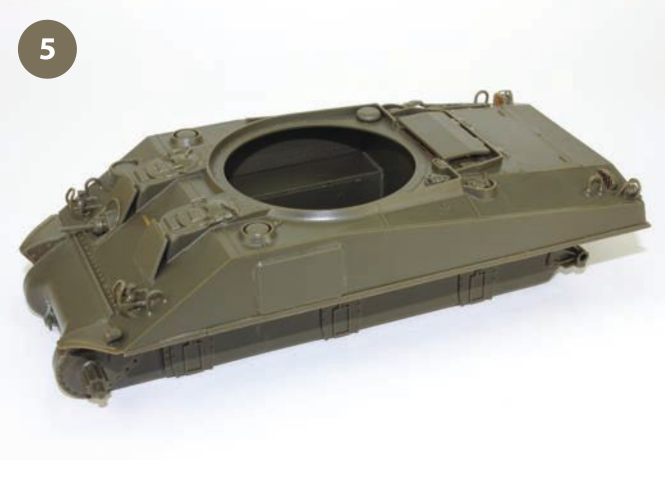

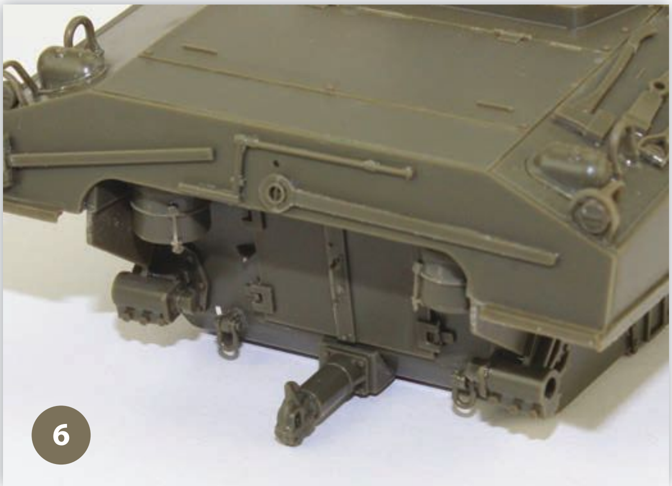

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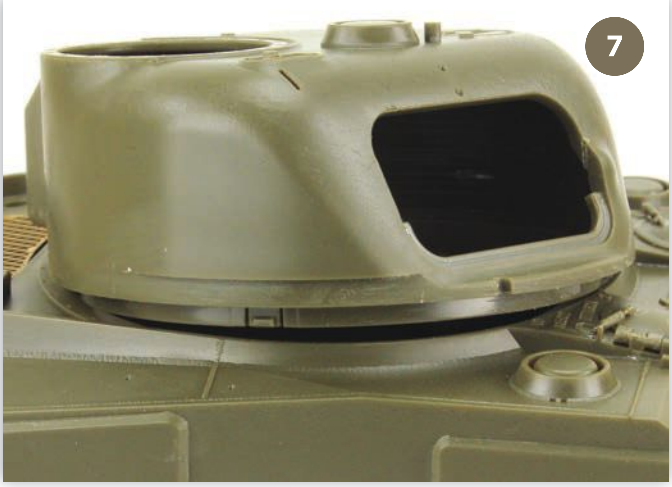

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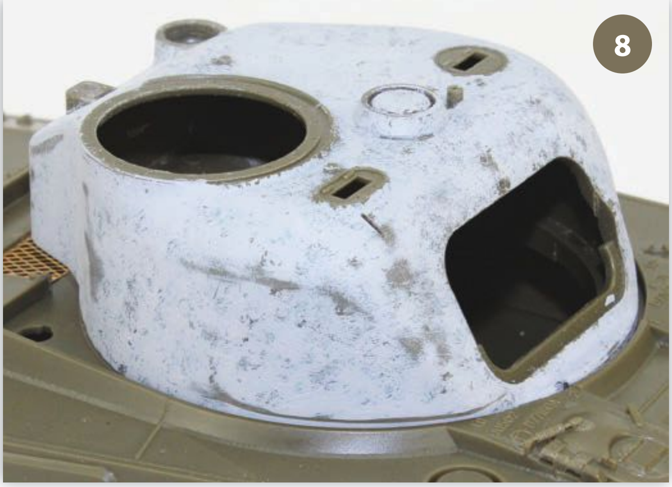

The smaller parts were positioned according to the instructions, though rather than using copper wire for the driver's and co-driver's hatch handles (as suggested), I added suitable items from the spares box **(photo 5)**. Having cleaned-up the pioneer tools, I attached these to the rear hull, along with the towing pintle from Asuka's 'Mid-Production Sherman III' kit (ref.35-018) **(photo 6)**.

The newly-tooled D50878 turret correctly features a modified right-hand front cheek. On the real vehicle, this was extended an inch outwards to avoid the need for a welded appliqué panel. Note the telltale lip at the bottom of the casting **(photo 7)**.

My only complaint with this kit was the prominent mould seam between the bustle and the commander's cupola. Despite attempts to remove this with careful wet-sanding, it still remained visible. The solution was to stipple Mr Surfacer 500 over the turret to replicate a cast-steel texture, and buff this down to remove any high spots **(photo 8)**. The turret assembly was complete, including the kit-supplied gun barrel. While some modellers prefer the luxury of turned-metal barrels, preparing this one was fairly easy; simply a case of applying Mr Surfacer 500 to the seam, and rotating the barrel in a piece of wet sanding sheet until it was perfectly smooth. With just a few minutes work, you can save the added cost of an after-market product **(photo 9)**.

The suspension assembly proved to be quite complex and time-consuming. However, with the bogies out of the way, progress was fairly quick. The bogie units themselves are universal, so can be fitted to either side of the vehicle. Consequently, there are bolt holes on both faces to accommodate the return-roller bracket. I drilled out the holes on the front face with the help of a special jig purchased from Click 2 Detail (ref. 405) **(photo 10)**.

The instructions recommend using a 160mm length of 0.5 gauge nylon string or wire for the towing cable. While this would offer a reasonable representation, I opted instead to use a metal version from RMG (ref. RM 016). Being made from anodised copper, RMG's cables are flexible and require no painting. All that

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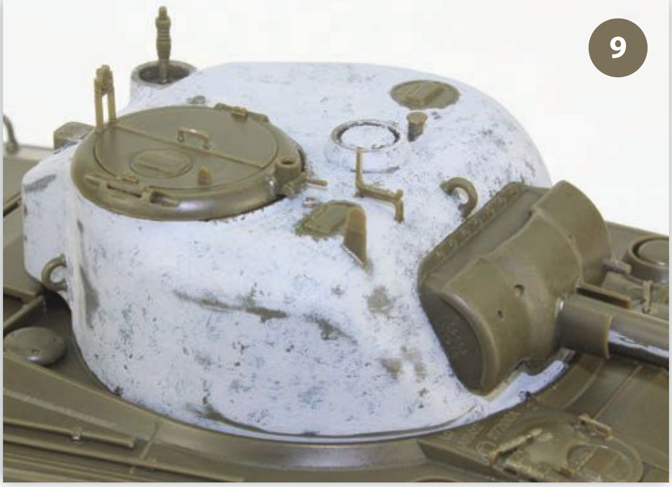

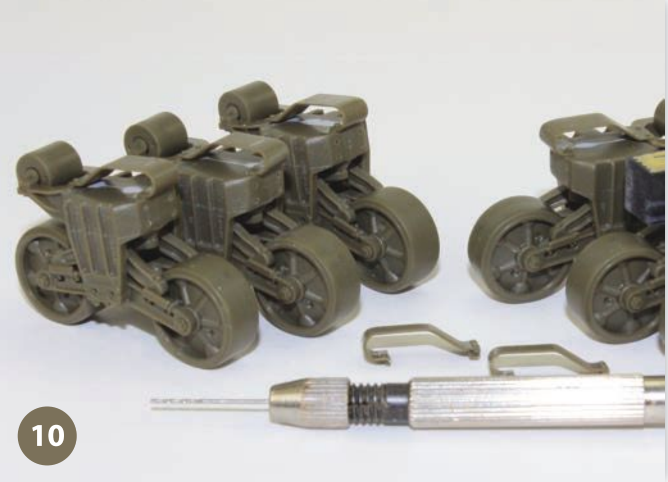

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STEEL ROPE LINE
RMG
RM 016
Copper Tow Cable for AFV
Ø 0.6 mm x 700 mm
11

12

was required was to drill out the kit's end pieces, and glue the cable in place. Incidentally, RMG provides other towing cables specific to vehicle type **(photo 11)**.

Painting, Marking & Weathering

With the basic construction complete, I photographed the model from various angles to check for any errors before commencing with the painting. To make life easier, the tracks, sprockets, idlers, turret and .50cal machine gun were removable so that they could be treated as sub-assemblies **(photo 12)**. I tend to experiment with various brands and shades of paint, to see how they are affected by subsequent weathering. On this occasion I chose Tamiya acrylics, beginning with a base coat of XF-62 (Olive Drab) **(photo 13)**. Once this was dry, I added a small amount of XF-60 (Dark Yellow), and applied this lighter shade to flat areas and raised portions to accentuate shadows and highlights **(photo 14)**. The stowed tools were picked out with Vallejo 70.995 (German Grey) and 70.310 (Old Wood), and roadwheel tyres given an initial coat of LifeColor's UA 733 (Tire Black) **(photo 15)**. I then applied an overall coat of Future Floor Polish, both to prepare for the decal markings and to allow the pin-washes to flow more easily **(photo 16)**.

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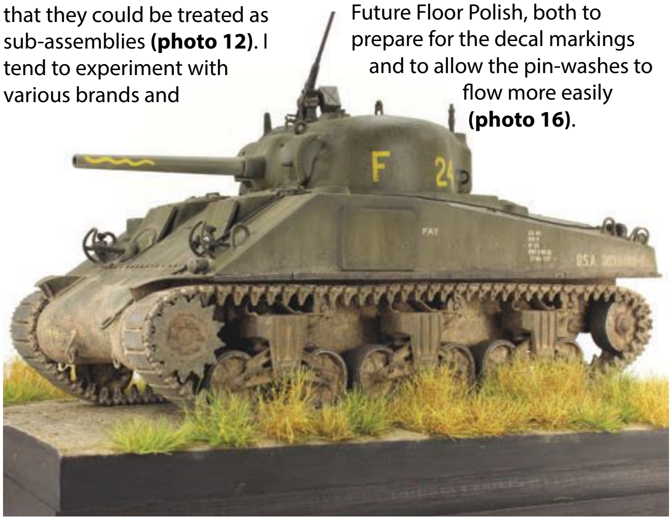

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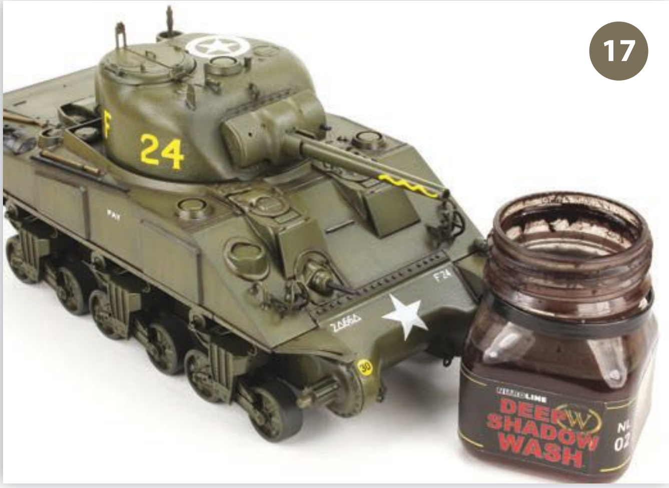
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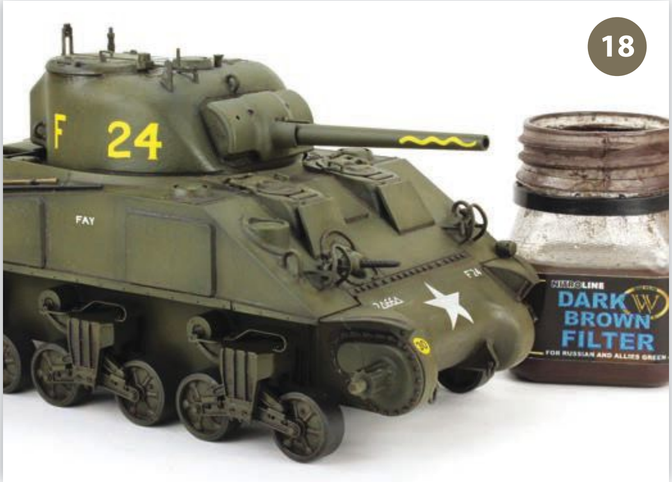
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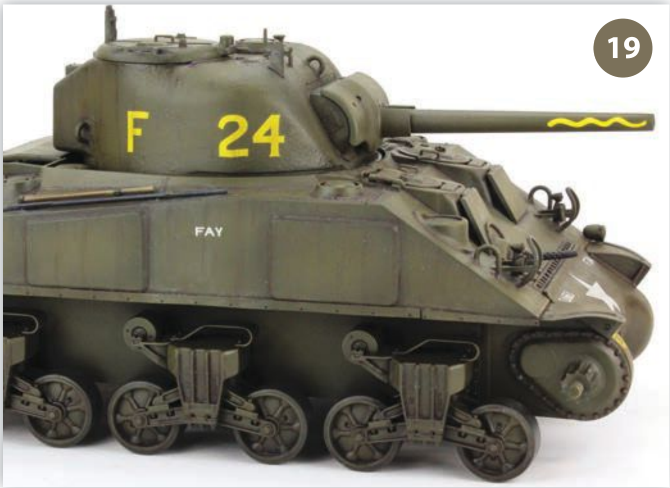
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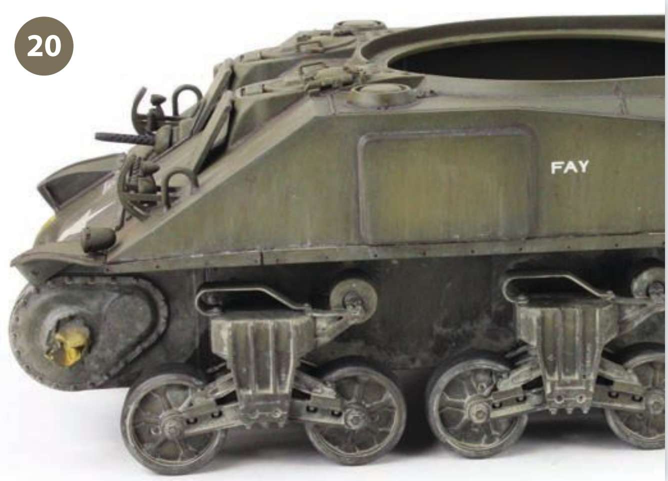
Again, there are various options for washes, my preference being Wilder's NL 02 (Deep Shadow Wash) **(photo 17)**. I now gave the model a coat of flat varnish, and followed with Wilder's NL 18 (Dark Brown Filter) to provide some depth to the olive drab finish. Applying this in several thin coats using a large flat brush, I was also careful to prevent any excess from pooling around the raised details **(photo 18)**. Returning to the Deep Shadow Wash, I used this to replicate streaking down vertical and sloping panels. Once applied, the streaks were blended into the surrounding areas to achieve a subtle effect **(photo 19)**.

Time now to add dirt and dust effects to the lower hull and running gear, beginning with NL 30 (Grey Dirt Spatter). Initially applied quite heavily, most would be removed leaving a light residue over the surfaces **(photo 20)**. The process was repeated, this time using NL 24 (Light Dry Mud Effect). I also applied this colour to the rear quarter of the upper hull, and blended it with thinner **(photo 21)**. Feeling at this point that I had overstated the effect (causing the base colour to looked 'washed out'), I solved this with a couple of filter coats to bring back the olive drab tone **(photo 22)**. I was now ready to apply pigments to replicate a heavy build-up of mud around the lower hull and running gear. The perfect choice was a combination of Wilder's GP 09 (Dark European Terrain) and GP 29 (River Sand). Working in small areas at a time, I sprinkled the darker colour over the surface, and secured the pigment with FX 01 (Fixer). To avoid disturbing the pigment, I simply allowed the liquid to touch the surrounding area, and let capillary action do its job. A repeat of the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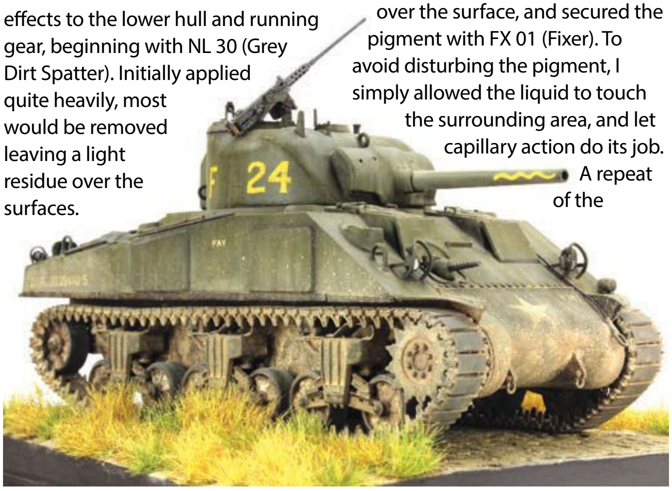

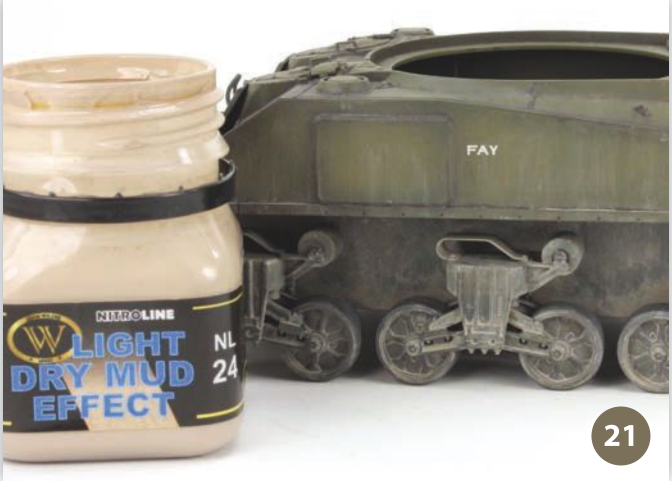
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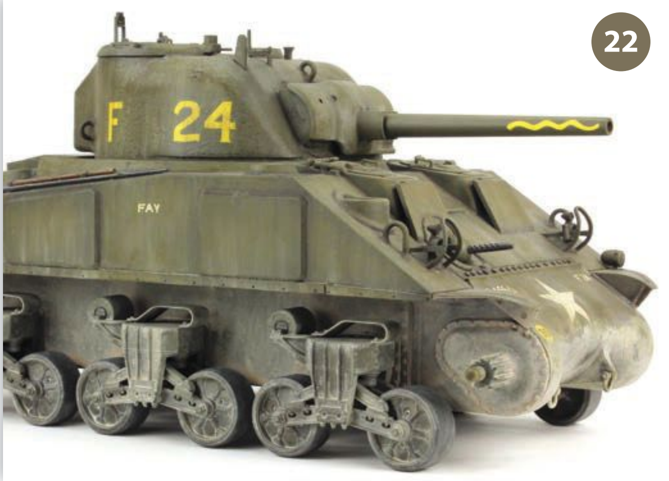
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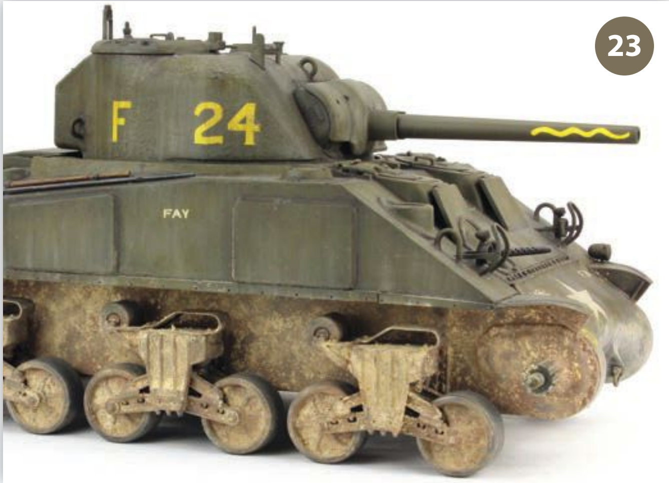
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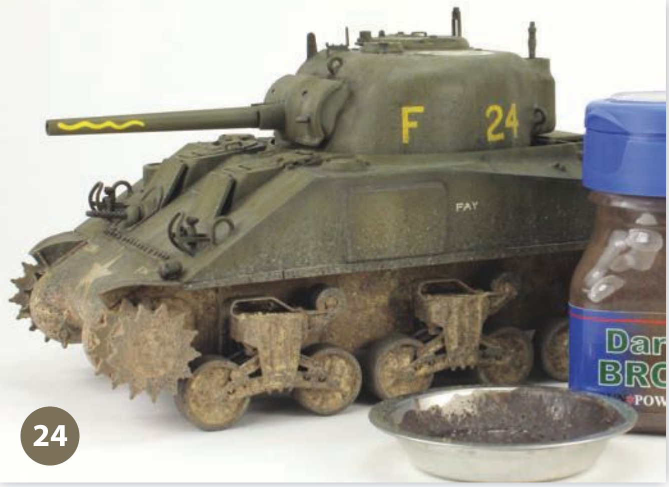
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operation was carried out with the lighter colour **(photos 23)**.

The final weathering stage involved preparing a mix of GP 24 (Dark Brown Pigment) and NL 30 (Grey Dirt Spatter), and flicking this from a stencil brush over the model. To vary the tone, I repeated the process, this time using a mix of NL 30 and NL 29 (Brown Mud Spatter) **(photo 24)**. Now using a large brush moistened with thinner, I removed some of the pigment from the raised parts of the suspension, and touched up certain areas as required. Satisfied with the result, I applied the pigment mixes to recesses around the upper hull, and again blended them with thinner **(photo 25)**.

All that was required was to paint and fit the tracks. Although not shown in the accompanying photographs, this was simply a repeat of the method covered in my earlier article (MMI December 2015).

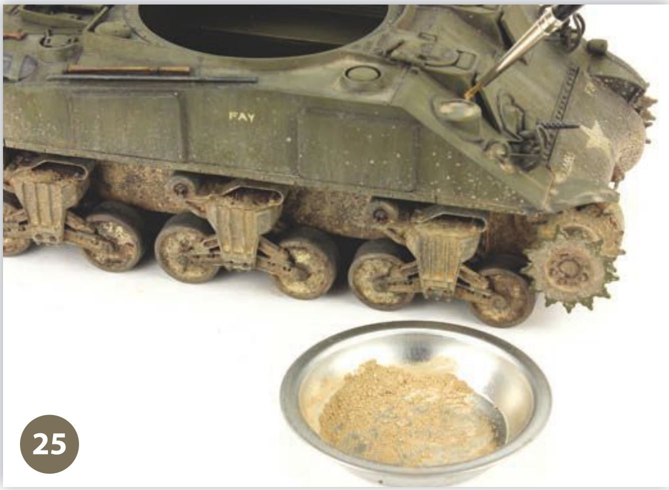
Setting the Scene

To be honest, the diorama setting was an afterthought. The base was made from a wooden plaque, edged with plastic strip, and topped with a section of Verlinden Country Road. The space either side was then filled with Epoxy Putty to form the foundation for the groundwork **(photo 26)**. Having given the road an initial coat of acrylic craft paint, I applied a grey- brown wash, and sprinkled various earth-tone pigments onto the still-wet surface. The groundwork was treated to a layer of TE 03 (Fine Textured Earth – Dark Brown), and followed by a further wash **(photo 27)**.

While attending a local IPMS show, I met Dave Younquist from 'Last Cavalry Historical Toys & Hobbies'. Among the items on his stand was a selection of grass tufts from the Fredericus-Rex range. With various lengths and colours chosen, I fixed these in place with spots of Elmer's School Glue, and applied more of my pigment mixes to the bare portions of the ground **(photo 28)**.

Verdict

So what can I say about this Asuka kit? With the exception of minor details that benefited from refinement/improvement, I was really pleased with the level of detail and parts-fit. As an out-of-the-box build, the result is really very good, a few teaks here and there making a difference in the final appearance. And finally, many thanks to Ken Abrams for his advice on weathering techniques.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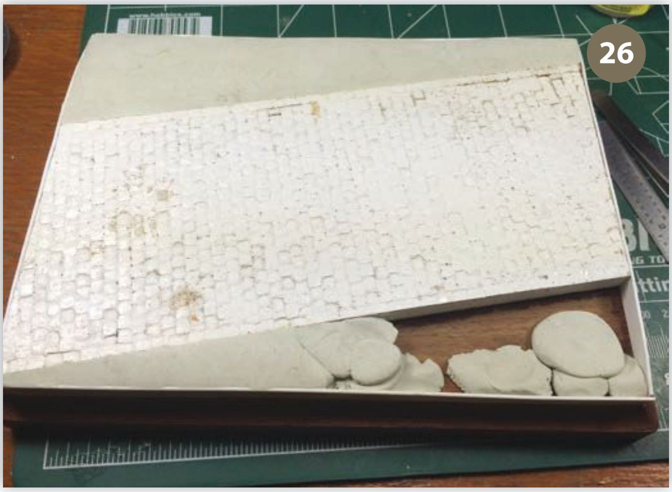
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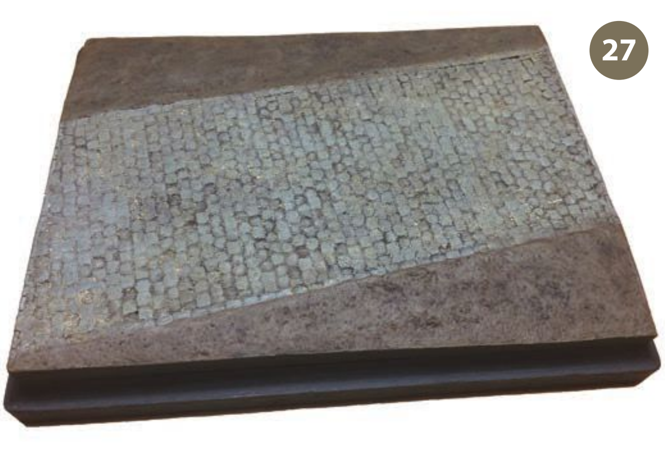
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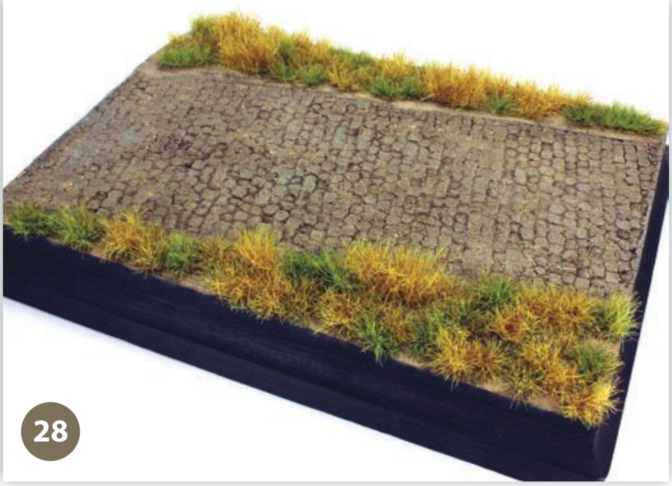
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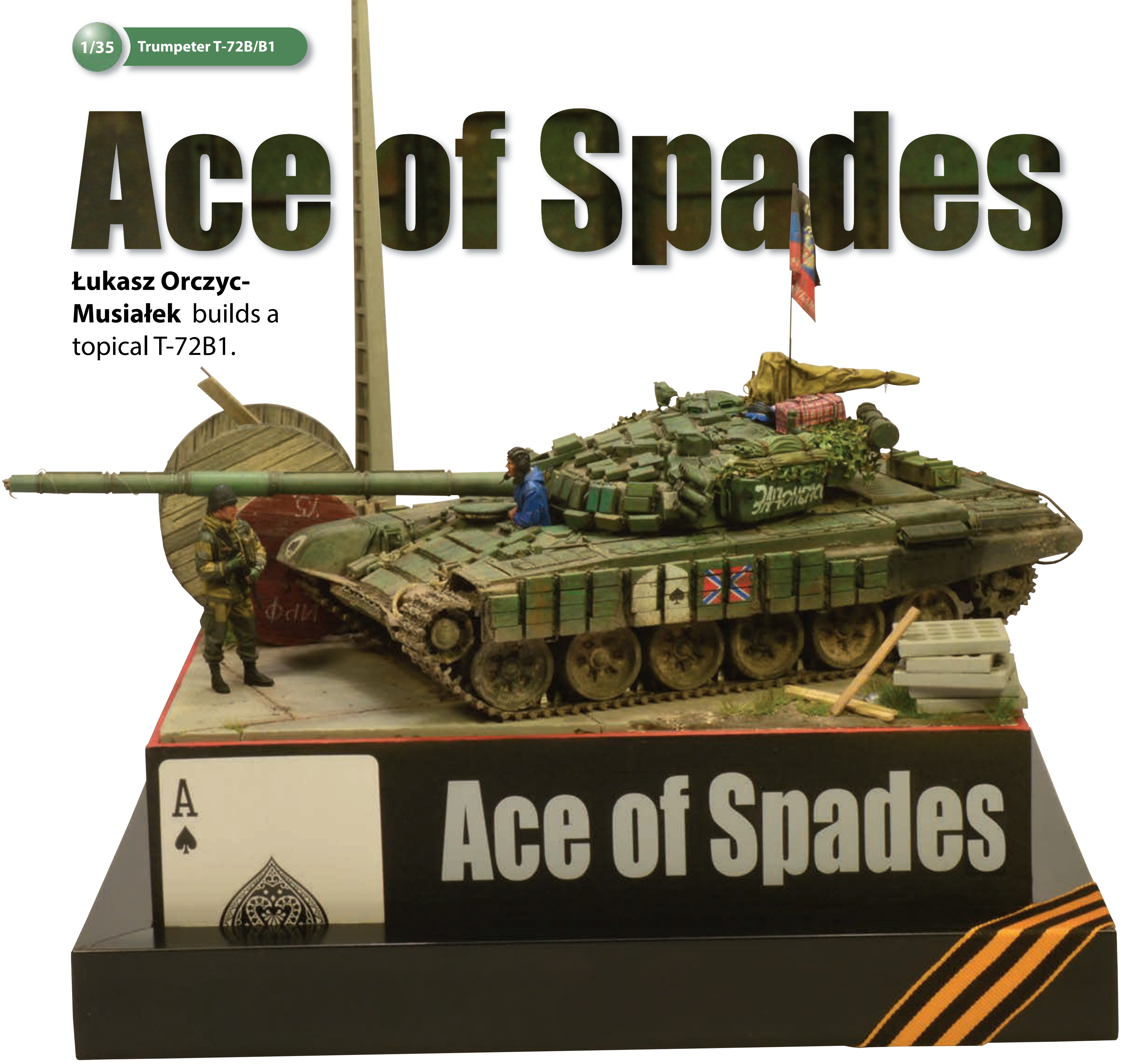
Ace of Spades

Łukasz Orczyc-Musiałek builds a topical T-72B1.



One of the most widely referenced post-war tanks, the Soviet T-72 entered production in 1971. A direct descendent of the T-64, around 20,000 were manufactured, second in number to the T-54/T-55 family. It was widely exported, and saw service in 40 countries and in numerous conflicts around the world. In fact, improved variants are still being built for export customers.

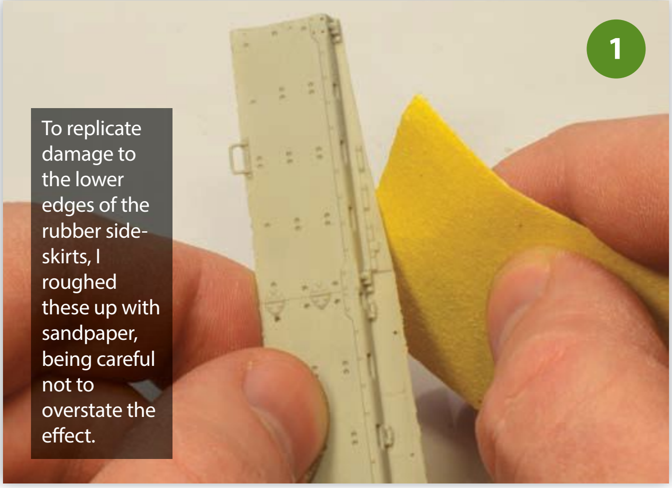
As we know, the fighting in Donbass continues. While this (like any war) is a tragic situation for those caught up in the conflict, from a modelling perspective, it offers the perfect inspiration for a wide range of subjects. With so much choice, I finally decided to focus on the T-72, the ideal starting point being Trumpeter's 2015 release, 'Russian T-72B/B1 MBT w/Kontakt-1 Reactive Armour'. This would be depicted as a separatist-operated tank, 'Ace of Spades' from the so-called Viking Battalion.

Preparation

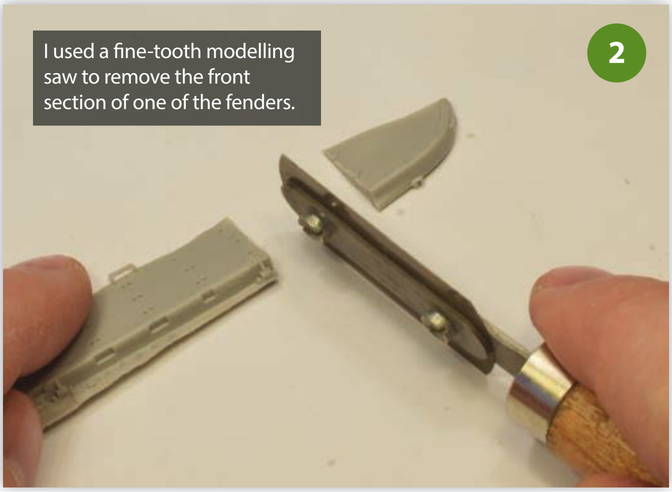
The first task was to find reliable reference images. After a brief Internet search, I came across a selection of excellent photographs taken by Gennadiy Dubovoy. Noticing that the required markings were not included in the kit's decals, I found just what I needed in a set produced by Echelon Fine Details, 'Novorossian AFVs (Ukraine-Russia Crisis) Pt. 5' (ref. D356201). Further improvements to the base kit would be made using various aftermarket items including:

MasterClub	T-72 RMSh Tracks	MTL35049
RB Model	125mm L/48 Gun Barrel	RB35B102
	Aerial & Mount for BMP-3	35A14
Eureka XXL	Towing Cable for Modern Soviet Tanks	ER-3537
	Modern Universal Tent & Tarp Sets	E-022/023/024
Arkebuza	Barracuda Camouflage Net	AR35010
Voyager Model	Modern Russian Smoke Dischargers	PEA211/PEA202

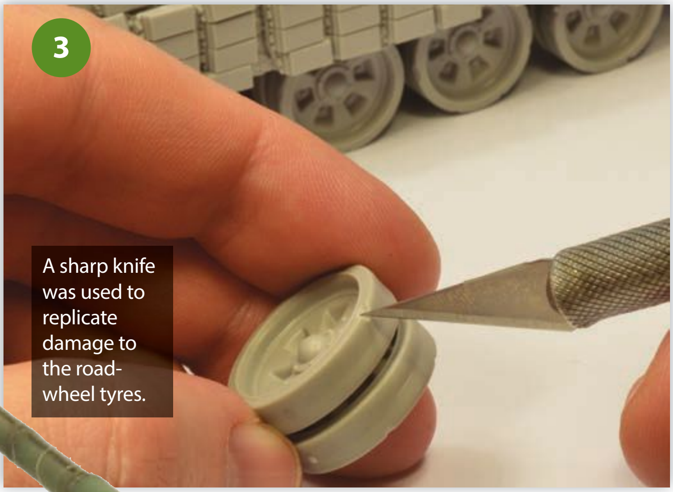
The tank driver figure began life as a German Panther Commander (ref. 35131 from Alpine Miniatures), with a replacement head from the Hornet range. As for the infantry figure, this was Evolution Miniatures' 'Modern Russian Soldier, 2014 – Set 3' (ref. EM-35104).



To replicate damage to the lower edges of the rubber side-skirts, I roughed these up with sandpaper, being careful not to overstate the effect.

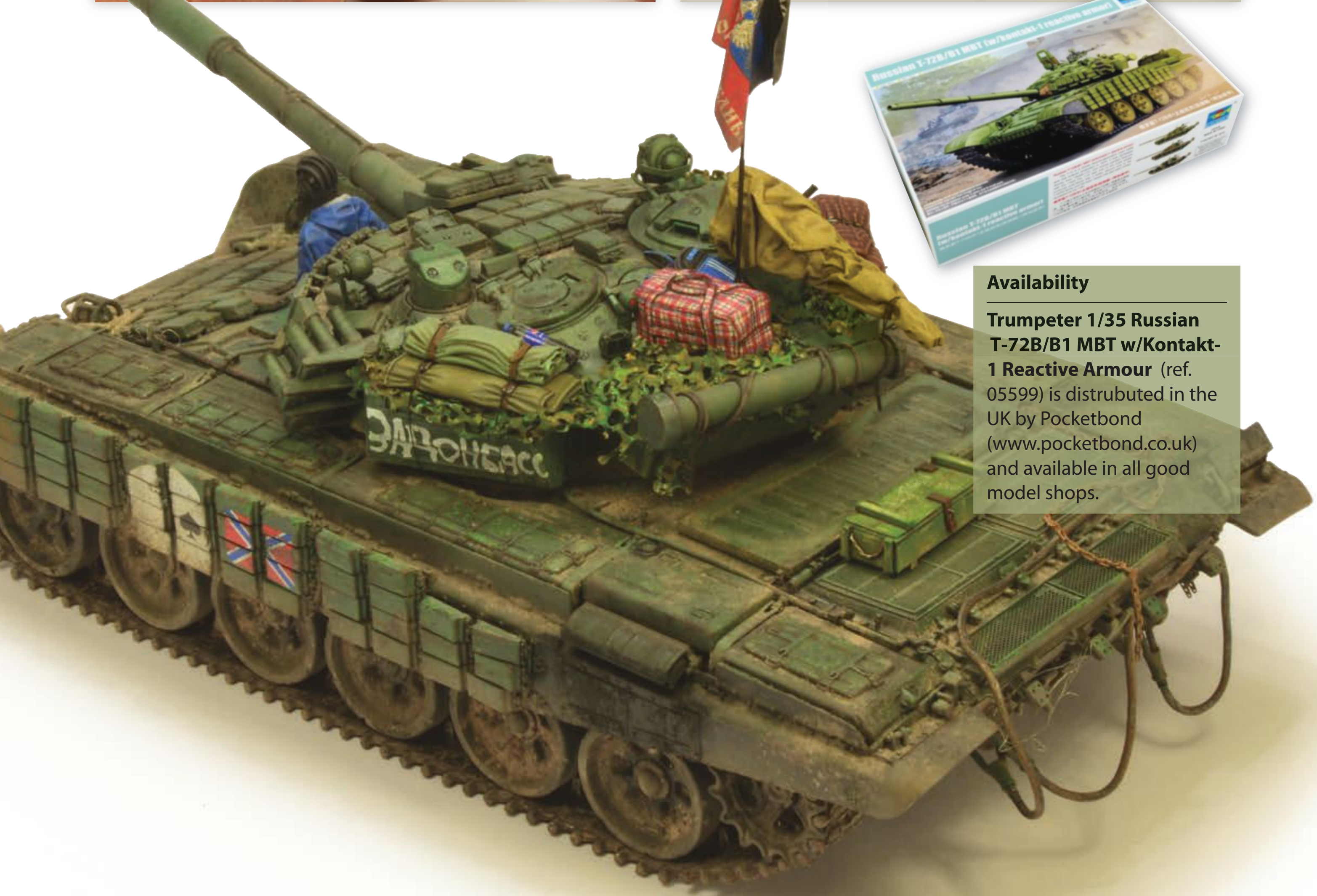


I used a fine-tooth modelling saw to remove the front section of one of the fenders.



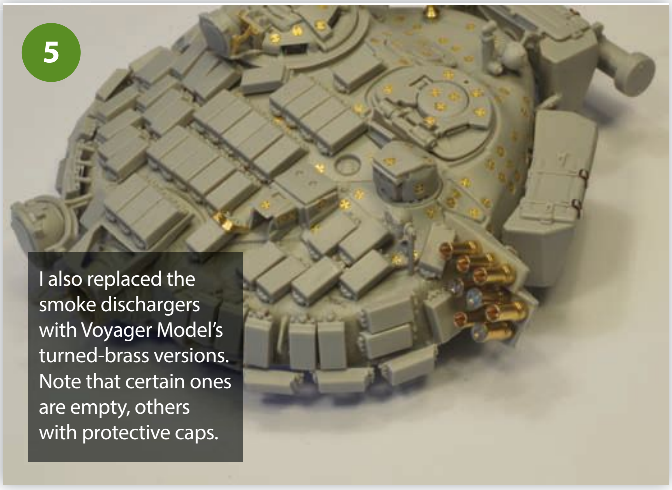
A sharp knife was used to replicate damage to the road-wheel tyres.

Similarly, replacing the kit's gun barrel with this turned-metal version from RB Model is the ideal choice.



Availability

Trumpeter 1/35 Russian T-72B/B1 MBT w/Kontakt-1 Reactive Armour (ref. 05599) is distrubuted in the UK by Pocketbond (www.pocketbond.co.uk) and available in all good model shops.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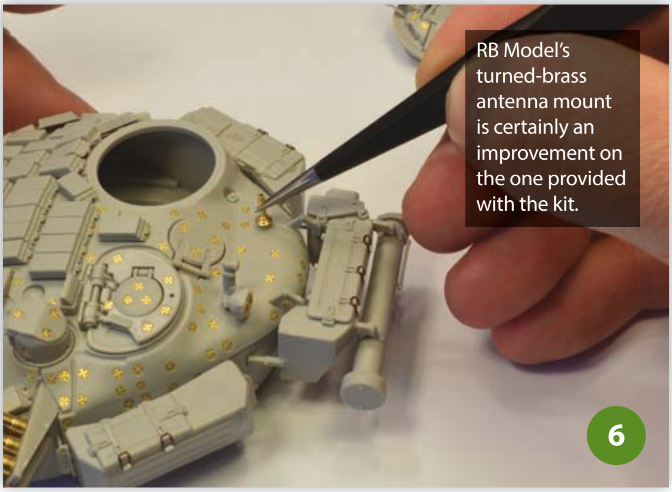
I also replaced the smoke dischargers with Voyager Model's turned-brass versions. Note that certain ones are empty, others with protective caps.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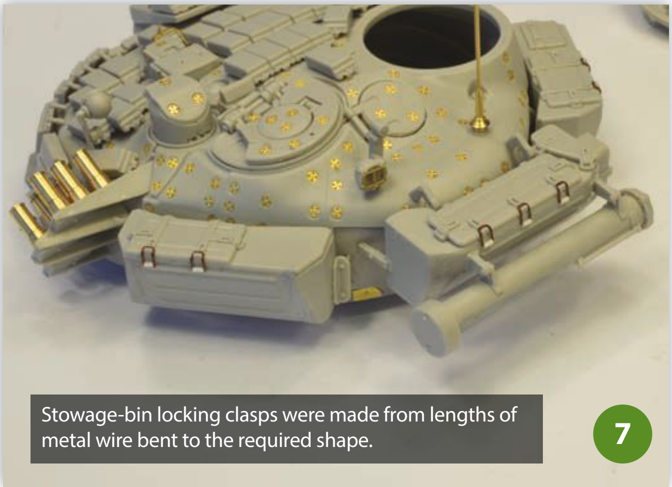
RB Model's turned-brass antenna mount is certainly an improvement on the one provided with the kit.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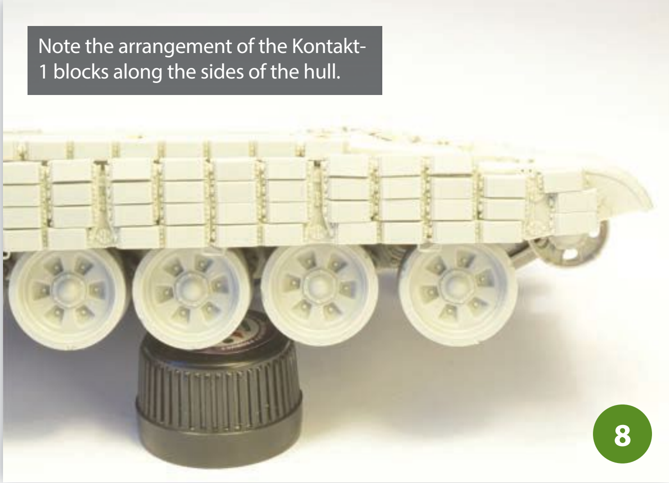
Stowage-bin locking clasps were made from lengths of metal wire bent to the required shape.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Note the arrangement of the Kontakt-1 blocks along the sides of the hull.

The Kit

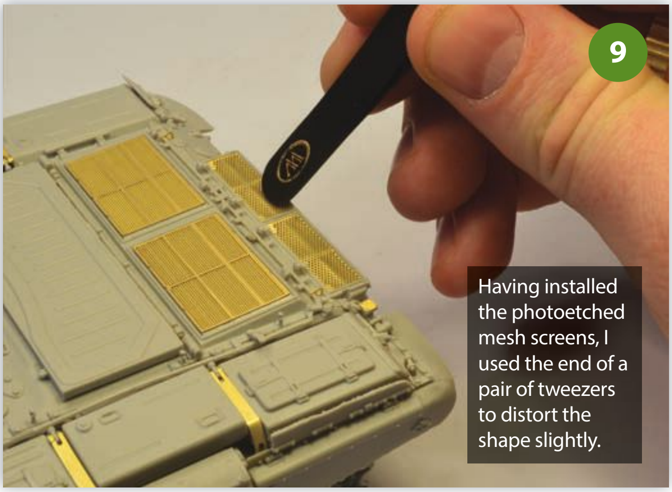
Essentially based on their earlier T-72B, Trumpeter's ERA version comprises no less than 1,300 parts: 21 sprues of injection-moulded components for the main build (plus separate lower hull and upper turret), vinyl mantlet covers and un-ditching beam (the latter not required), 7 injection-moulded sprues containing individual-link tracks, clear parts for lights and periscope lenses, 3 photo-etched frets, a length of vinyl tubing, and a length of braided wire. Assembly instructions are by way of a 24-page manual, and accompanied by painting/marking schemes for 12 examples (with appropriate decals).

Construction

From the moment I opened the box, I could tell that building this kit would be a pleasure; excellent moulding, attention to detail, and good parts-fit meant that most areas would be relatively straightforward … even the individual ERA blocks. However, the section surrounding the driver's periscope required minor surgery to achieve the correct shape.

Painting, Marking & Weathering

Having treated the model to a coat of black primer, I turned to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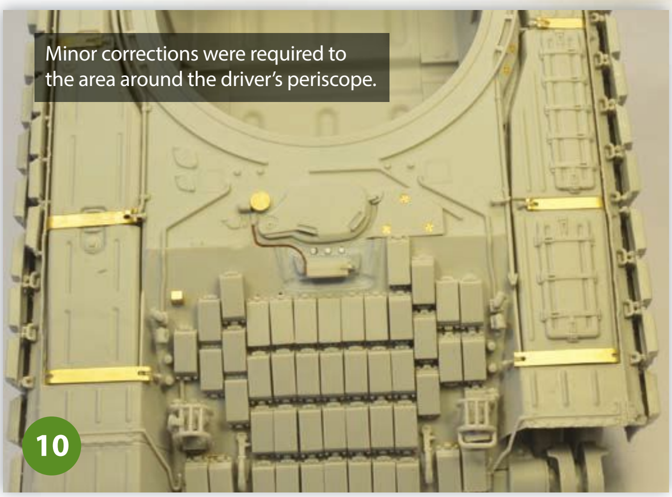
Having installed the photoetched mesh screens, I used the end of a pair of tweezers to distort the shape slightly.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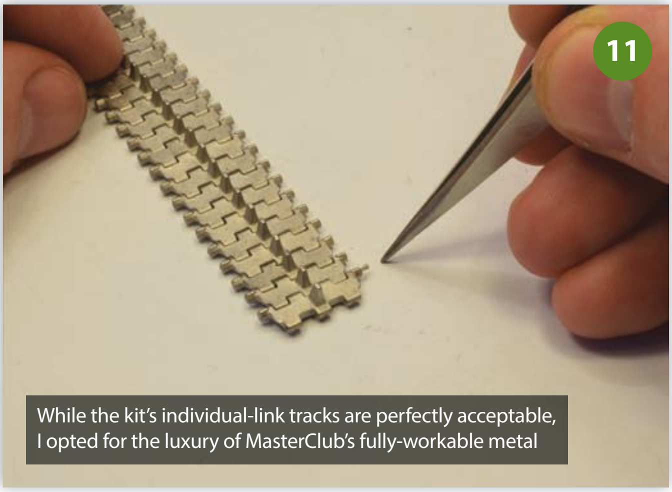
Minor corrections were required to the area around the driver's periscope.



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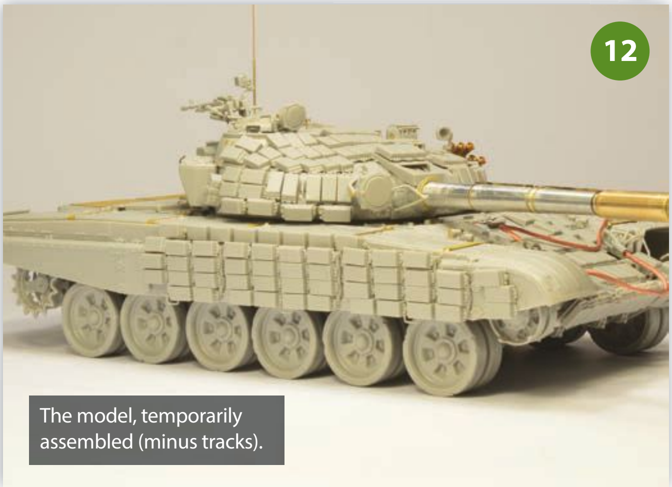
While the kit's individual-link tracks are perfectly acceptable, I opted for the luxury of MasterClub's fully-workable metal



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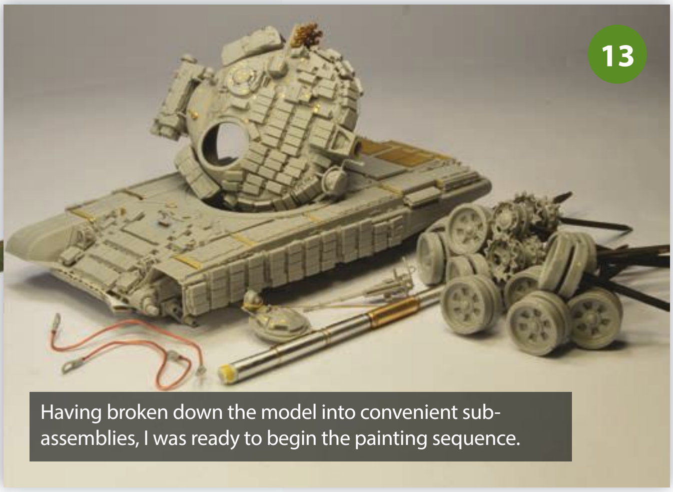
The model, temporarily assembled (minus tracks).

AK Interactive's 'Modern Russian Colors – Vols.I & II' (refs. AK 4130 & AK 4140) for the main painting. Details were then picked out with appropriate Vallejo acrylics, and the road-wheel tyres finished with various shades of grey from the LifeColor range.

The Echelon decals provide markings for several Novorossiyan T-72B1s, 2S1s and a BMP-2 that were in action against Ukrainian forces in Eastern Ukraine. Also included are two types of flag commonly flown from the antennas of these vehicles.

Over the past few months I have tended to rely on the excellent weathering products from Adam Wilder's extensive range. While these often behave differently from other brands, it is simply a case of finding the best way to apply them; once I had got used to them, I was really impressed with the effects they produced.

Keen to add equipment and other stowage to my models, I am always on the lookout for suitable items that will add some life to the finished piece. Along with the products mentioned earlier, I included a superbly detailed ammo crate from one of Paper Panzer Productions' sets, various lengths of chain and rope, dirty rags, and a plastic drinks bottle (compliments of Plus Model).



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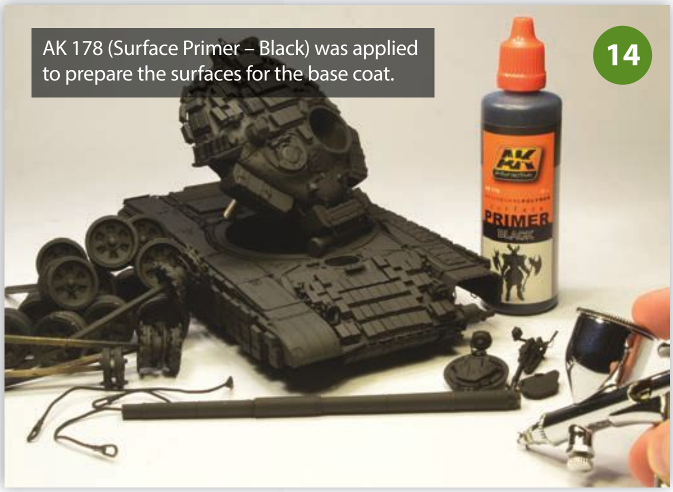
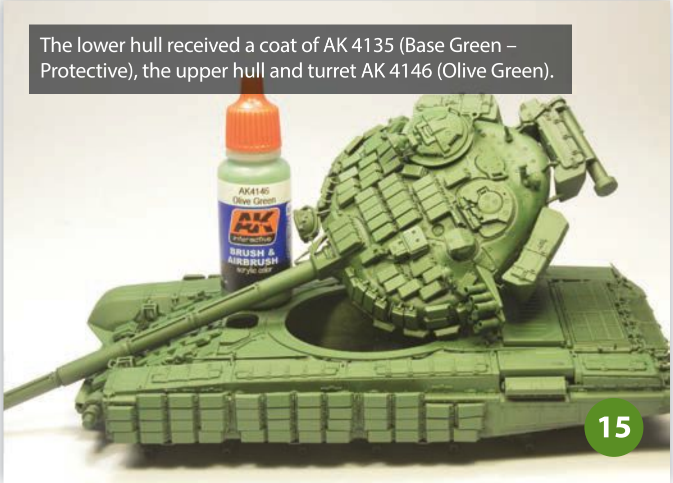
Having broken down the model into convenient sub-assemblies, I was ready to begin the painting sequence.



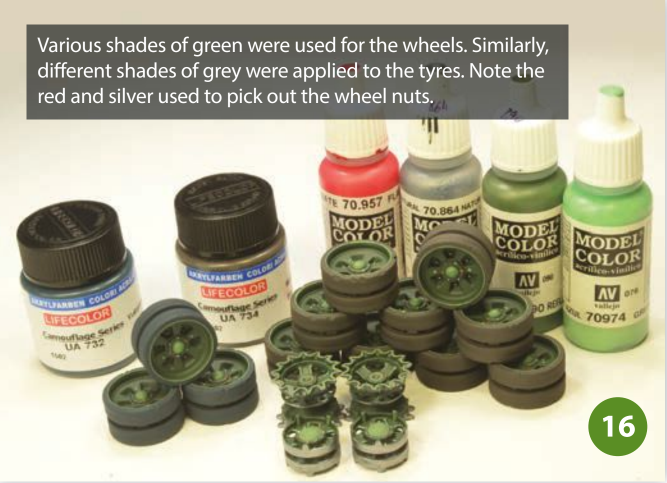
14

AK 178 (Surface Primer – Black) was applied to prepare the surfaces for the base coat.



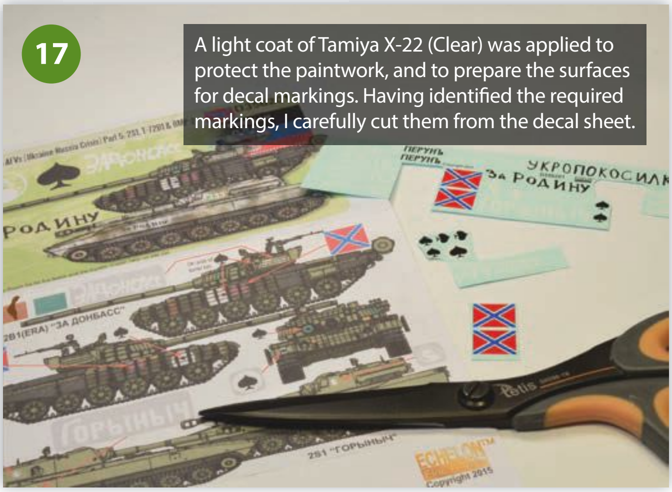
15

The lower hull received a coat of AK 4135 (Base Green – Protective), the upper hull and turret AK 4146 (Olive Green).



16

Various shades of green were used for the wheels. Similarly, different shades of grey were applied to the tyres. Note the red and silver used to pick out the wheel nuts.



17

A light coat of Tamiya X-22 (Clear) was applied to protect the paintwork, and to prepare the surfaces for decal markings. Having identified the required markings, I carefully cut them from the decal sheet.

AK Interactive's Decal Adapter Solution was used to soften the decals to allow them to conform to the surfaces. Care is required when using this liquid to avoid damaging the decals.

18

Time for a series of washes, using various Wilder products.

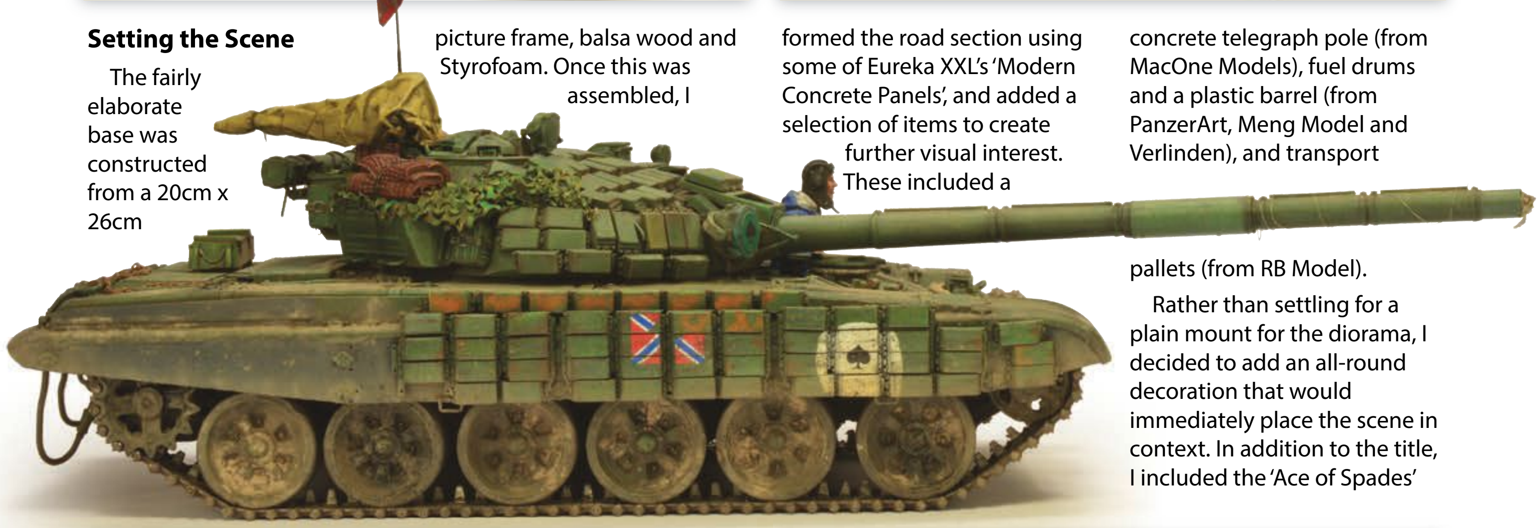
19

Satisfied that all surfaces were completely dry, I proceeded to vary the tones with the help of carefully chosen oil colours.

20

Setting the Scene

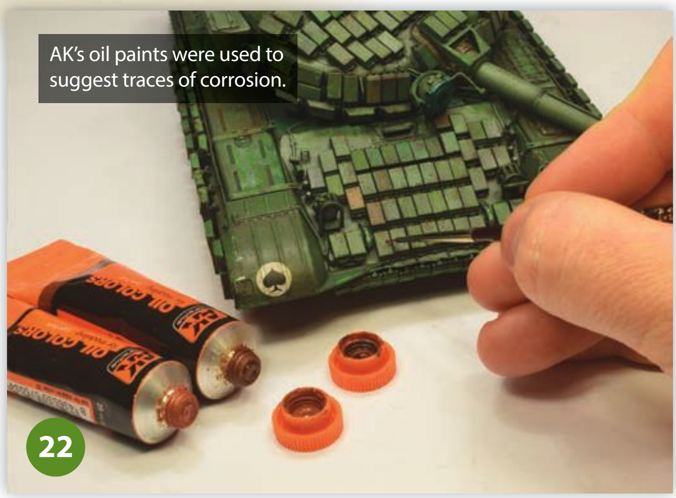
The fairly elaborate base was constructed from a 20cm x 26cm picture frame, balsa wood and Styrofoam. Once this was assembled, I formed the road section using some of Eureka XXL's 'Modern Concrete Panels', and added a selection of items to create further visual interest. These included a concrete telegraph pole (from MacOne Models), fuel drums and a plastic barrel (from PanzerArt, Meng Model and Verlinden), and transport pallets (from RB Model).



Rather than settling for a plain mount for the diorama, I decided to add an all-round decoration that would immediately place the scene in context. In addition to the title, I included the 'Ace of Spades'

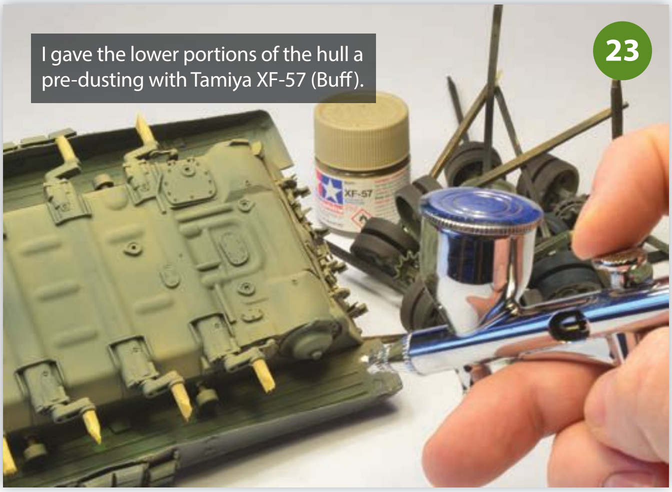
Combining a fine-pointed brush and a piece of sponge, I began to add chipped paintwork effects. This was applied in three stages; first using a light green, then silver, and finally dark brown to give a multi-layered effect.

21



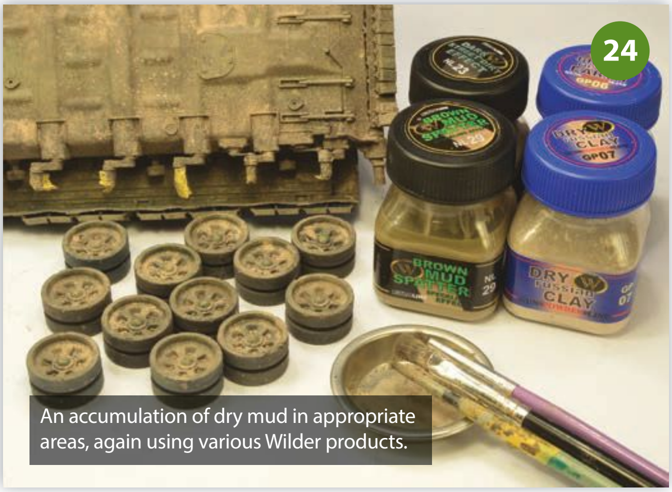
AK's oil paints were used to suggest traces of corrosion.

22



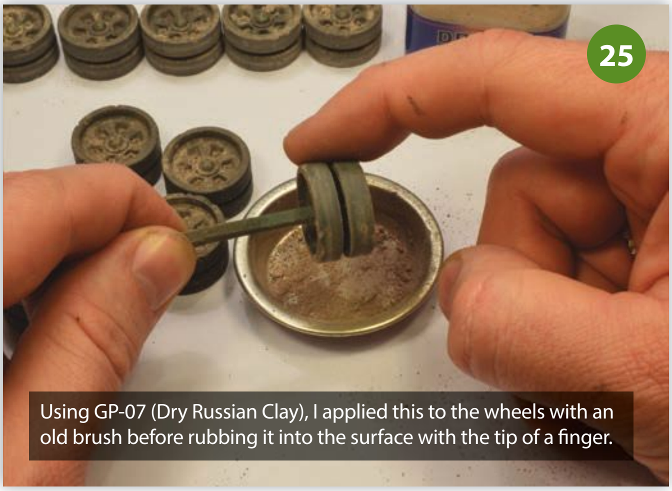
23

I gave the lower portions of the hull a pre-dusting with Tamiya XF-57 (Buff).



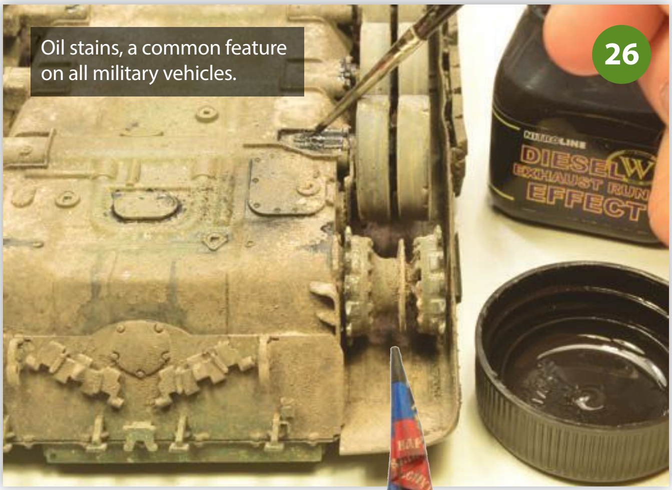
24

An accumulation of dry mud in appropriate areas, again using various Wilder products.



25

Using GP-07 (Dry Russian Clay), I applied this to the wheels with an old brush before rubbing it into the surface with the tip of a finger.



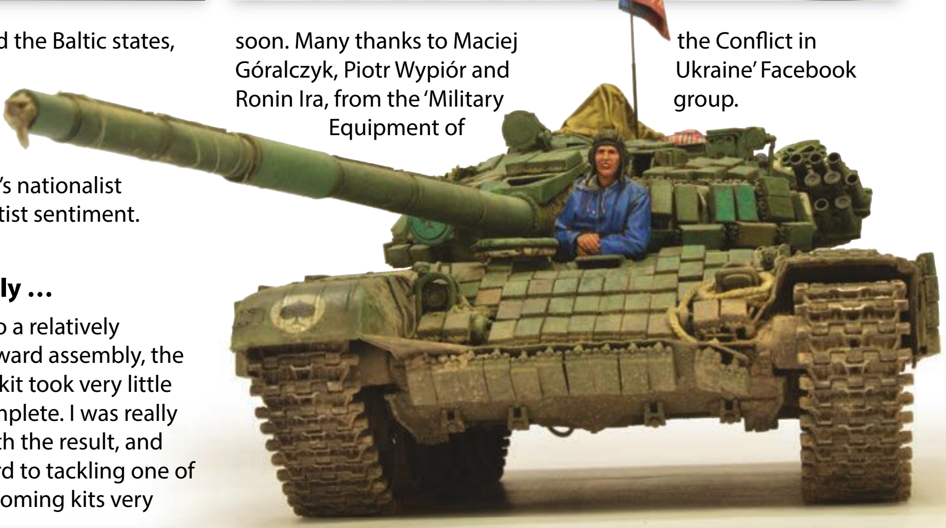
26

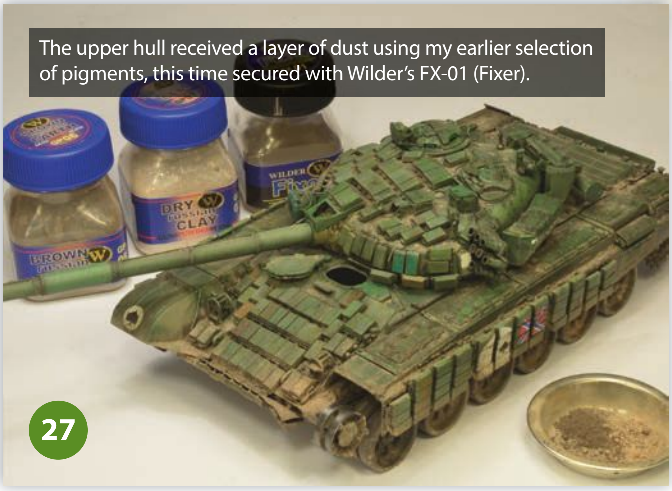
Oil stains, a common feature on all military vehicles.

motif, a selection of Gennadiy Dubovoy's images, and the distinctive black and orange 'Ribbon of St. George'. For those who are not familiar with this device, it is a widely recognised military symbol in Russia. It appears as a component of many high military decorations awarded by the Russian Empire, the Soviet Union, and the current Russian Federation. It is also adopted by civilians as a symbol of support for the Russian Government (particularly post-2014). In the Ukraine and the Baltic states, the symbol has become associated with Russia's nationalist and separatist sentiment.

And Finally ...

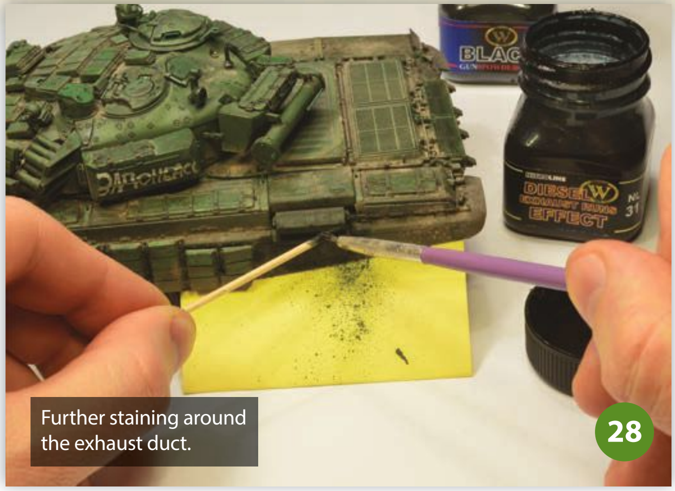
Thanks to a relatively straightforward assembly, the Trumpeter kit took very little time to complete. I was really pleased with the result, and look forward to tackling one of their forthcoming kits very soon. Many thanks to Maciej Góralczyk, Piotr Wypiór and Ronin Ira, from the 'Military Equipment of the Conflict in Ukraine' Facebook group.





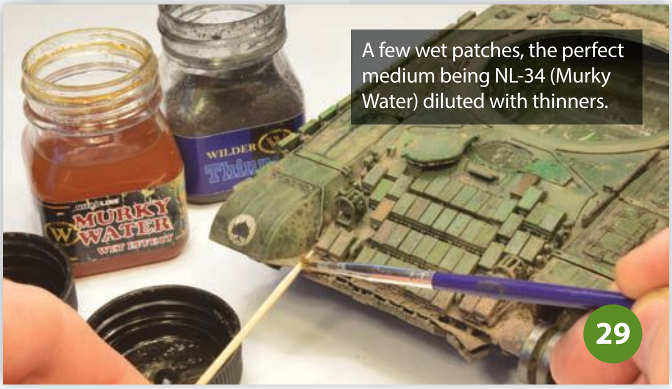
27

The upper hull received a layer of dust using my earlier selection of pigments, this time secured with Wilder's FX-01 (Fixer).



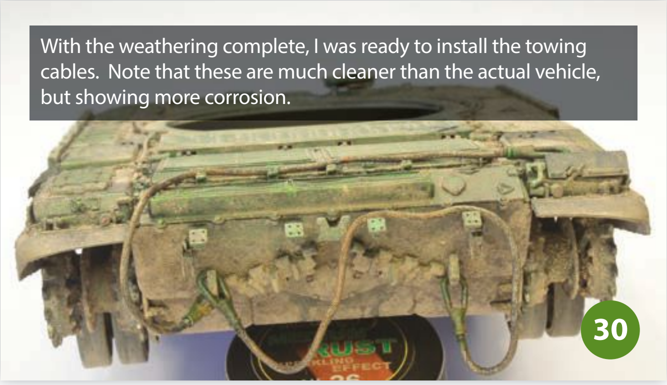
28

Further staining around the exhaust duct.



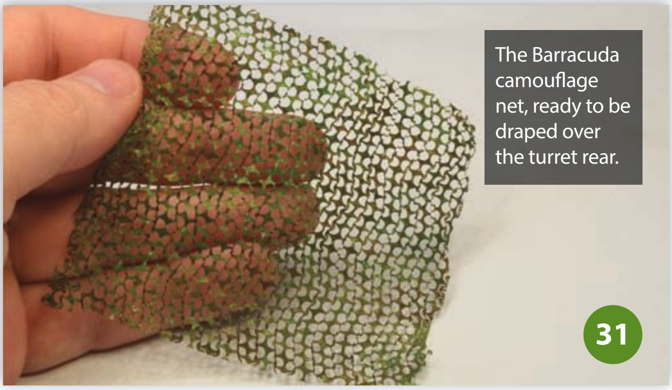
29

A few wet patches, the perfect medium being NL-34 (Murky Water) diluted with thinners.



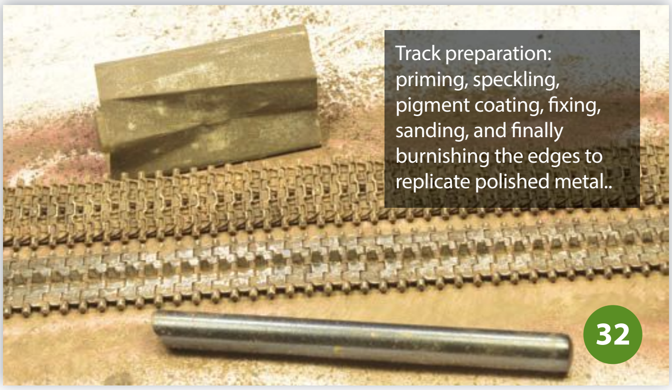
30

With the weathering complete, I was ready to install the towing cables. Note that these are much cleaner than the actual vehicle, but showing more corrosion.



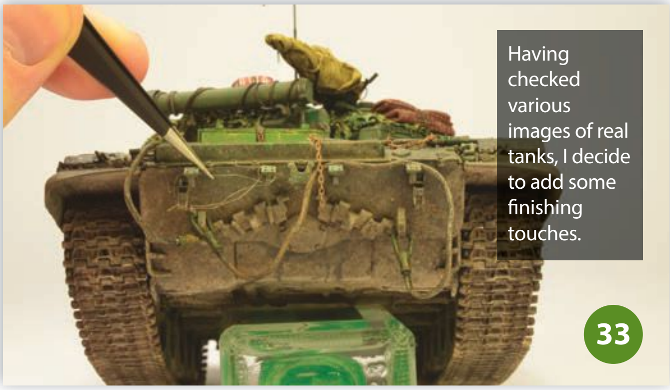
31

The Barracuda camouflage net, ready to be draped over the turret rear.



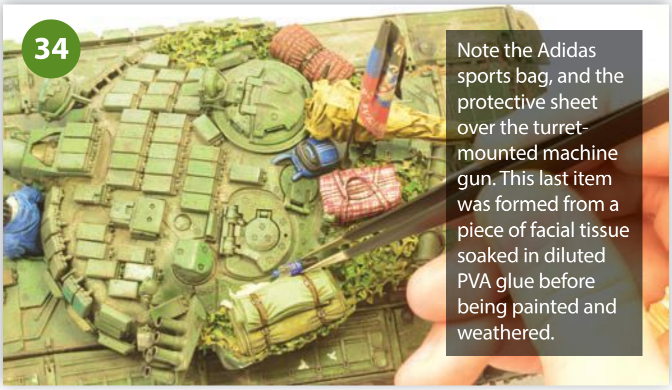
32

Track preparation: priming, speckling, pigment coating, fixing, sanding, and finally burnishing the edges to replicate polished metal..



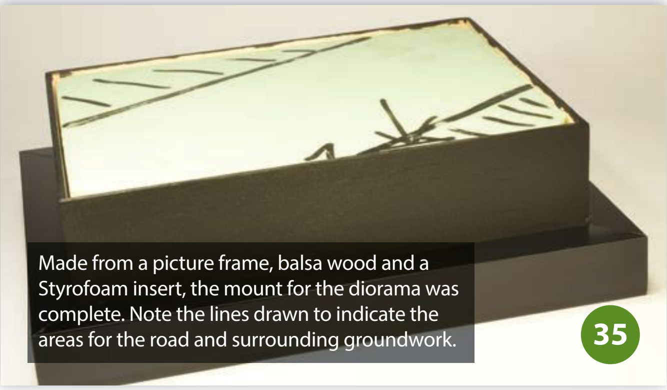
33

Having checked various images of real tanks, I decide to add some finishing touches.



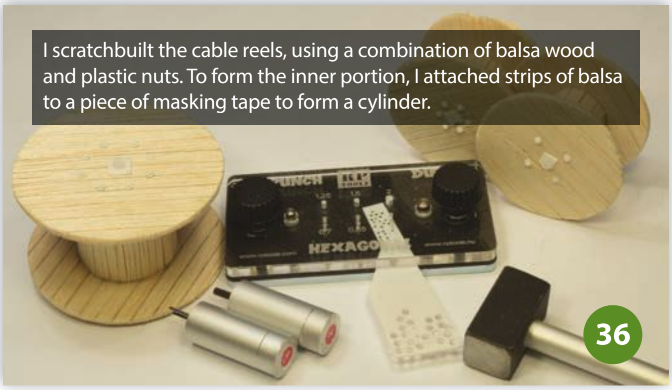
34

Note the Adidas sports bag, and the protective sheet over the turret-mounted machine gun. This last item was formed from a piece of facial tissue soaked in diluted PVA glue before being painted and weathered.



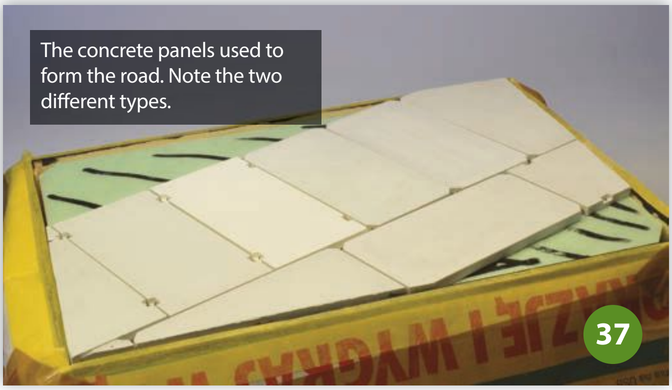
35

Made from a picture frame, balsa wood and a Styrofoam insert, the mount for the diorama was complete. Note the lines drawn to indicate the areas for the road and surrounding groundwork.



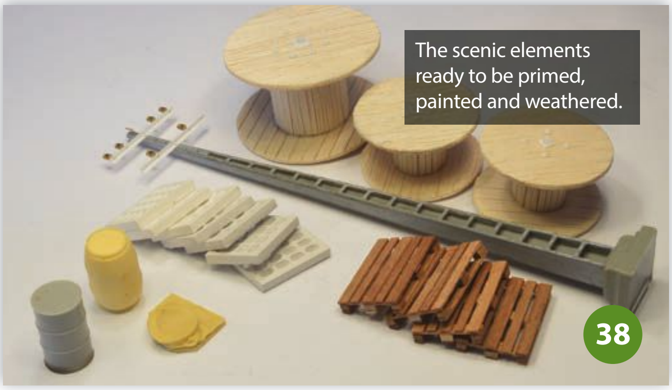
36

I scratchbuilt the cable reels, using a combination of balsa wood and plastic nuts. To form the inner portion, I attached strips of balsa to a piece of masking tape to form a cylinder.



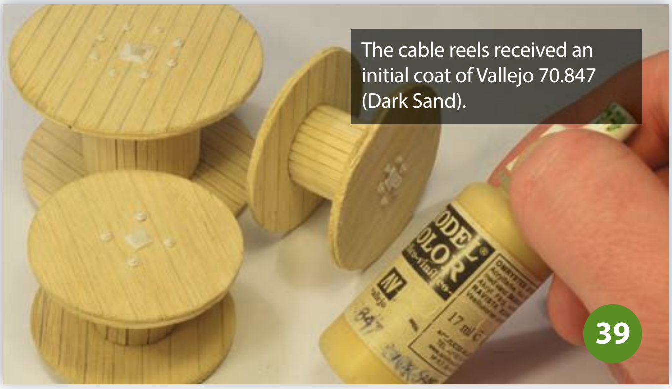
37

The concrete panels used to form the road. Note the two different types.



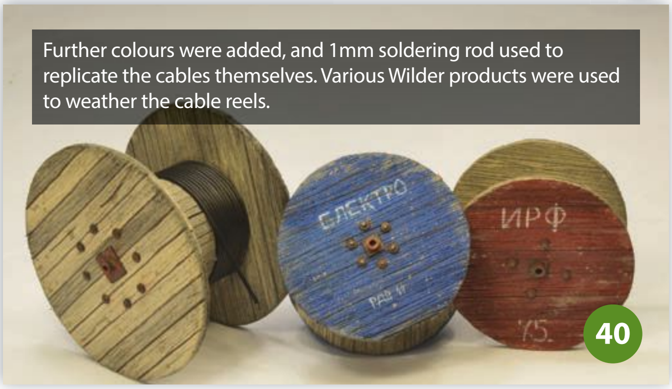
38

The scenic elements ready to be primed, painted and weathered.



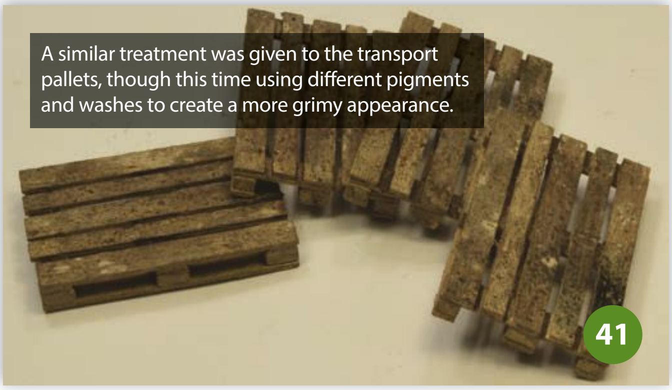
The cable reels received an initial coat of Vallejo 70.847 (Dark Sand).

39



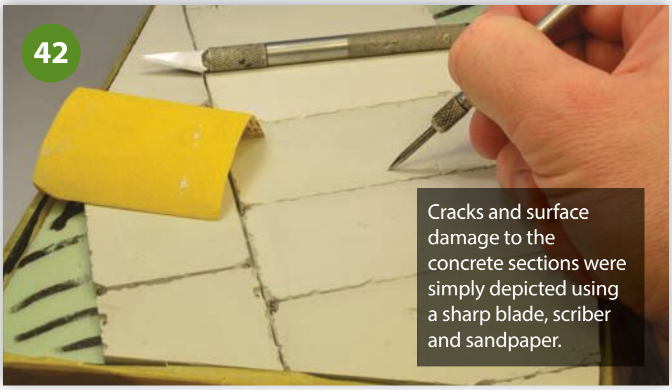
Further colours were added, and 1mm soldering rod used to replicate the cables themselves. Various Wilder products were used to weather the cable reels.

40



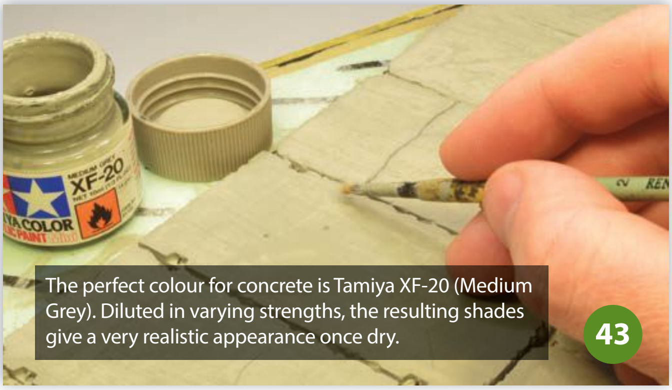
A similar treatment was given to the transport pallets, though this time using different pigments and washes to create a more grimy appearance.

41



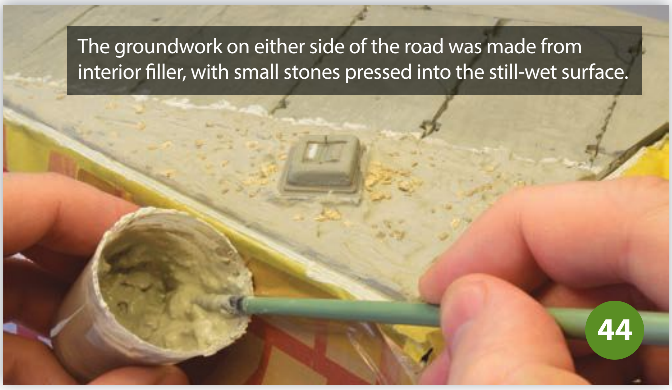
42

Cracks and surface damage to the concrete sections were simply depicted using a sharp blade, scriber and sandpaper.



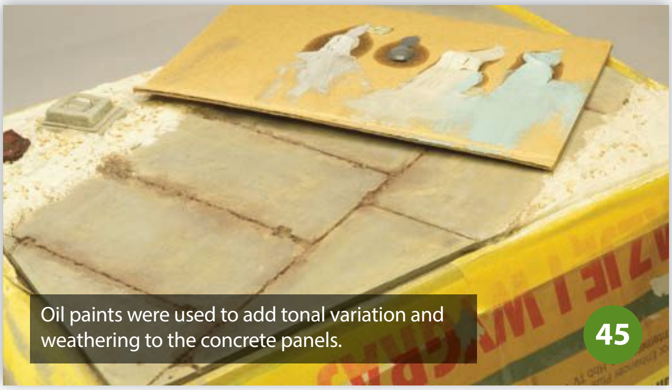
The perfect colour for concrete is Tamiya XF-20 (Medium Grey). Diluted in varying strengths, the resulting shades give a very realistic appearance once dry.

43



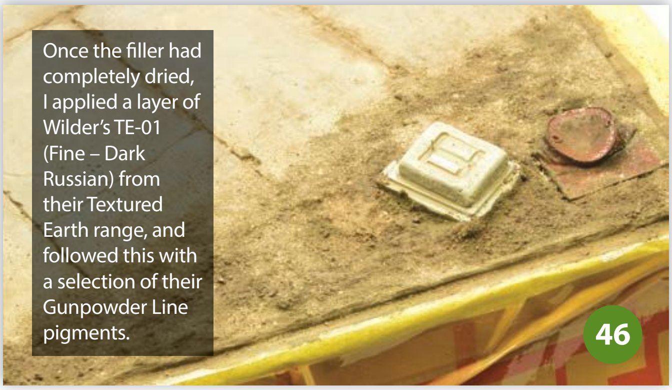
The groundwork on either side of the road was made from interior filler, with small stones pressed into the still-wet surface.

44



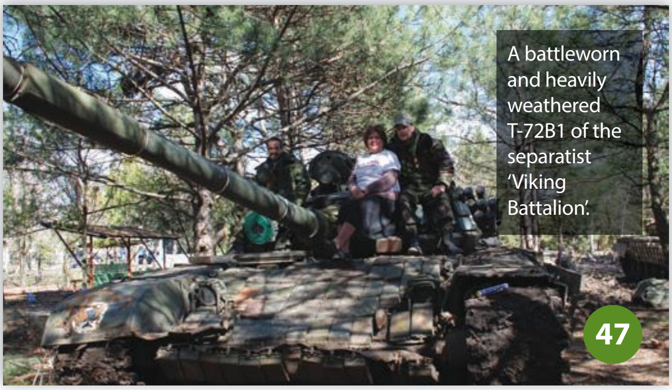
Oil paints were used to add tonal variation and weathering to the concrete panels.

45



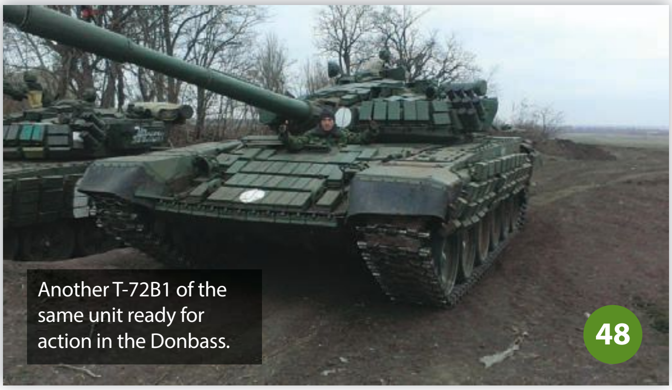
Once the filler had completely dried, I applied a layer of Wilder's TE-01 (Fine – Dark Russian) from their Textured Earth range, and followed this with a selection of their Gunpowder Line pigments.

46



A battleworn and heavily weathered T-72B1 of the separatist 'Viking Battalion'.

47



Another T-72B1 of the same unit ready for action in the Donbass.

48

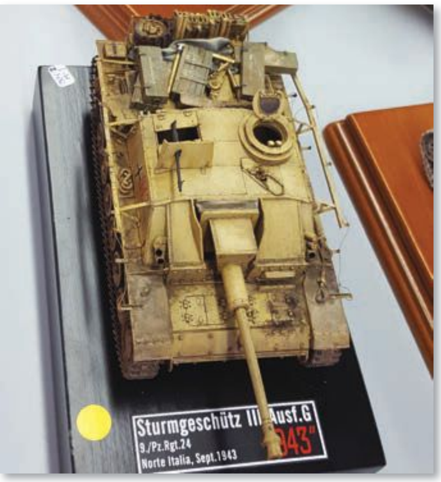
Showtime AMT Torrent 2016

Abilio Piñeiro Grajera reports on Spain's premier modeling show.

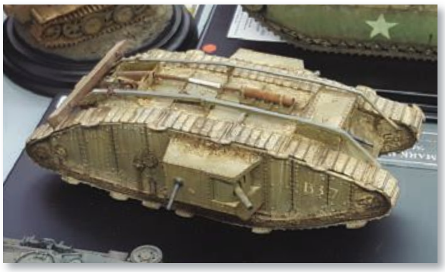
Held in El Auditori of Torrent, a music auditorium located in Torrent, 9 km away from Valencia, the AMT (Asociación Modelista Torrent) show is one of Europe's best-known modelling events. The models were displayed inside the two floors of the auditorium across several tables for models and dioramas, and showcases for the figures all with transparent sides to protect the pieces and with even lamps installed for better ilumination. The AMT show is an open competition meaning the jury awarded as many gold, silver and bronze medals and commendations as there were participants who reached the level required for their achievement. Among the models awarded a gold medal in each category there was a special prize. The weather forecast was very bad but finally the sun shone and it was a real pleasure to see the square crowded with modellers and visitants enjoying the weekend and doing some shopping.

There were some very interesting demostrations, including Kristoff Pulinckx, Pepe Gallardo, Gustavo Gil, and a book signing byAitor Azkue and Javier Molina making the weekend even more interesting. I have been attending AMT show for the past ten years or so, and always have the same feeling of friendship and hospitality.

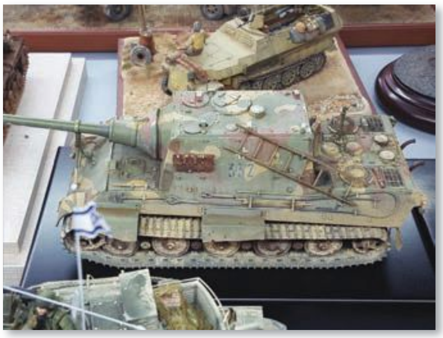
Hope to see some of you next year (even if it is 700km away from my home). Don't miss it if you have the chance.



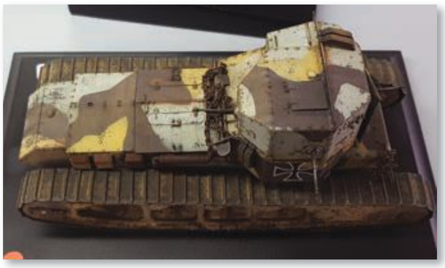
Joaquín García Gazquez won a gold medal with his superb Stug Ausf. G. The weathering and realism really caught my eye.



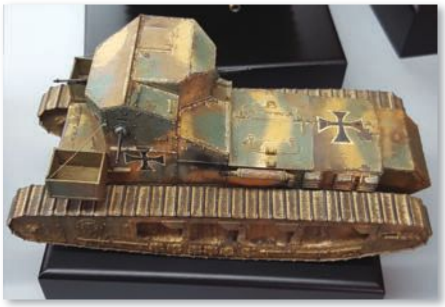
Javier Redondo's Mark IV was, to me, of the best models on show. Look at those tracks and the mud.



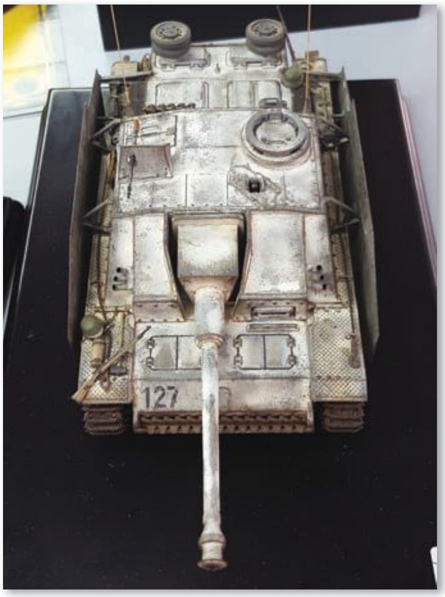
Very nice Jagdtiger with a late hard-edged camouflage scheme.



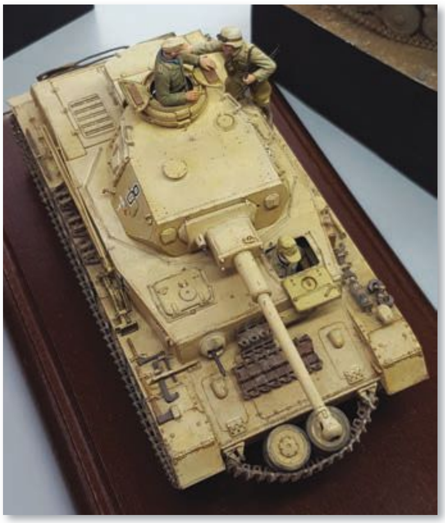
A German Whippet won a bronze medal for David Pérez.



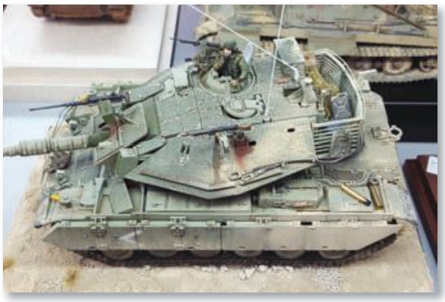
Another German Whippet with a slightly different camo.



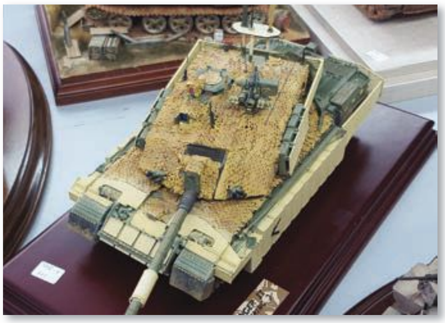
A very nice whitewashed Stug.



Antonio Martín Tello and his Panzer IV 'DAK' won a bronze medal.



Israeli AFVs are always well represented in any show.



This Challenger II displayed with Barracuda netting; not an easy subject!

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HLX48371 Hand pallet truck
HLX48372 U.S.staff Car PAINTING MASKS (TAMIYA)
HLX48373 British utility Car PAINTING MASKS (TAMIYA)
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HLM35003 Japanese steel pillbox

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with tyres
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BITS KRIEG

Both sets can be used for models from Academy, ESCI/ERTL, Dragon, Italeri, Tamiya.

Sets contain 2 drills for adapting the holes of the wheels to mentioned above manufacturers' kits.

FEATURES LIST:
- corrected shape of the steel wheel by adding the grooves inside the rims
- corrected depth of the steel wheel (please note how shallow are the ones in plastic kits and how deep are the wheels actually on pictures of real tank)
- corrected shape and size of the bolts
- added optional „stripe" in the middle of wheel's rubber bandage to imitate the residue of rubber from vulcanization process, which can be easily sanded off if not required.
- corrected height and width of the middle hub of the wheel
- added the grease nipples on the middle hub cap
- added markings on the rubbers

BK-060 U.S. M60 / M48 Wheels + Spare, Steel rim type (All manufacturers). QuickWheel mask included.

BK-061 U.S. M60 / M48 Wheels + Spare, Aluminium „Spider" rim type (All manufacturers). QuickWheel mask included.

www.quickwheelstore.com

Michel Pérez was awarded with a silver medal with his whitewashed SdKfz 251.

A two-tone Churchill with subtle weathering.

This T-55 (behind the Churchill) won a bronze medal. The figure and accessories made for a nice adittion to a scene.

A nice modern scene. Water in movement it's not an easy element to do.

My Panzer II 'DAK' will be appearing soon in MMI.

There was a display of ten BRDM-2. The quality of some of them was so high that the jury had to work hard to pick a winner!.

This diorama caught my eye. The attention to detail and the composition was amazing, including the scratchbuilding and some figures. Joseba Arrambarri won a deserved gold.

Ultra realistic 1/24 scene with a stunning finish and weathering. Who said cars were boring?

A Beute T-34 with very nice camouflage and figures from Mario Gabás.

This Skoda PA-II 'Turtle' with the typical hard camo was awarded with a highly mention.

If you mix a plane and a large Dragon Wagon you get a beautiful diorama like this one.

R05

1/35
Máximo: 5 de Febrero 2016
Modelismo
МИЛИЦИЯ

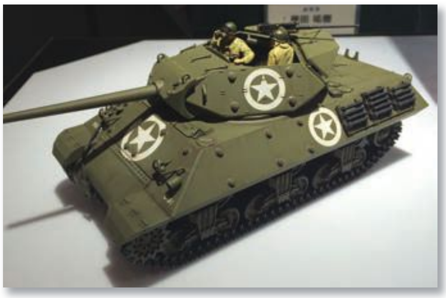
За родину

ATENCION
PIEZA SUELTA

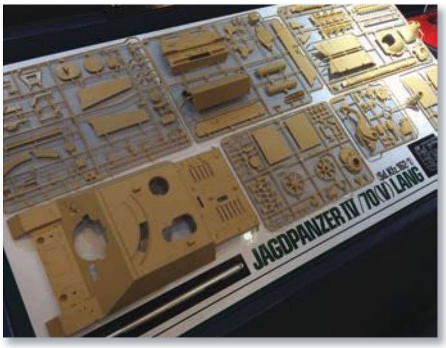
Showtime Shizuoka Hobby Show 2016

Gustav Jung reports on news of the latest releases.

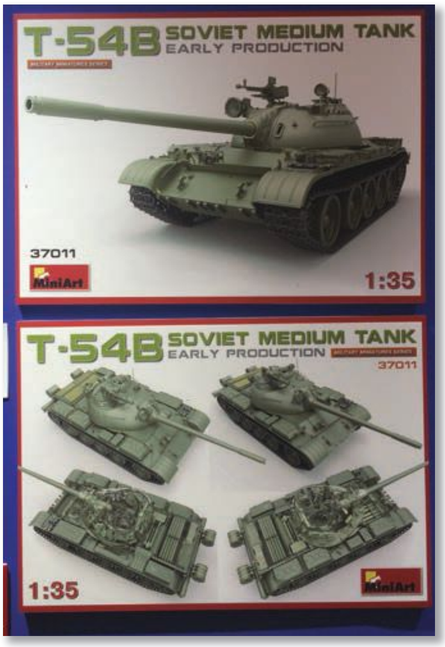
Shizuoka is home to many of the best-known Japanese model manufacturers including Tamiya, Hasegawa, Aoshima and Bandai. The annual Hobby Show, held this year from 12-15 May, is an opportunity for them to showcase their forthcoming releases.



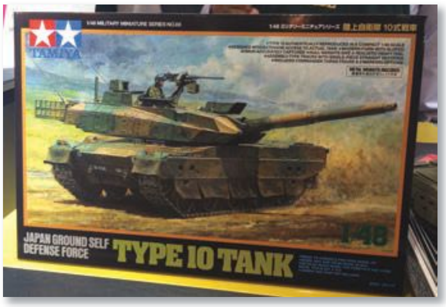
This is a brand new 1/35-scale M10 Tank Destroyer by Tamiya.

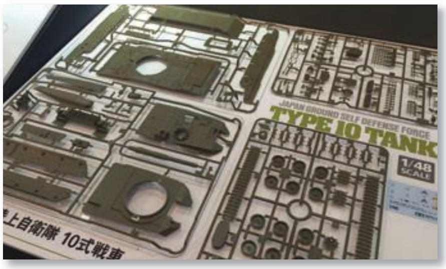

JAGDPANZER IV/70(V) LANG

Another surprise release: a 1/16 Jagdpanzer IV L/70 Lang. A surprise scale, surprising details and a surprise price (over $1,000)

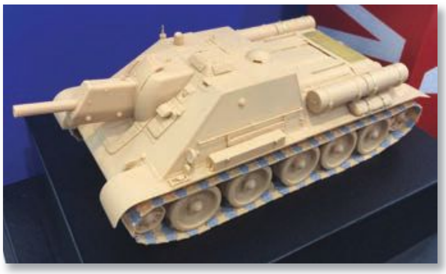

T-54B SOVIET MEDIUM TANK
EARLY PRODUCTION
37011
MiniArt
1:35
T-54B SOVIET MEDIUM TANK
EARLY PRODUCTION
37011
1:35
MiniArt

MiniArt also announced a newly tooled T-54B.

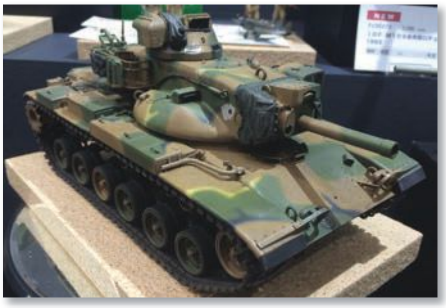

TAMIYA
JAPAN GROUND SELF DEFENSE FORCE
TYPE 10 TANK
1/48

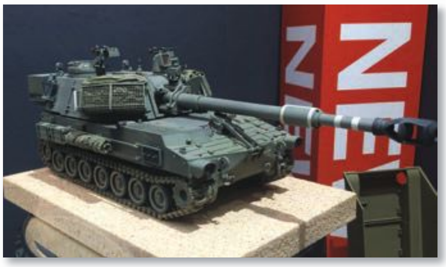

JAPAN GROUND SELF DEFENSE FORCE
TYPE 10 TANK
1/48 SCALE
陸上自衛隊 10式戦車

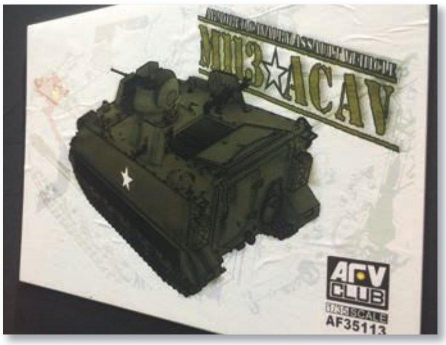
Tamiya's first Modern MBT for their 1/48 Series, the JGSDF Type 10 MBT (Hito-maru).



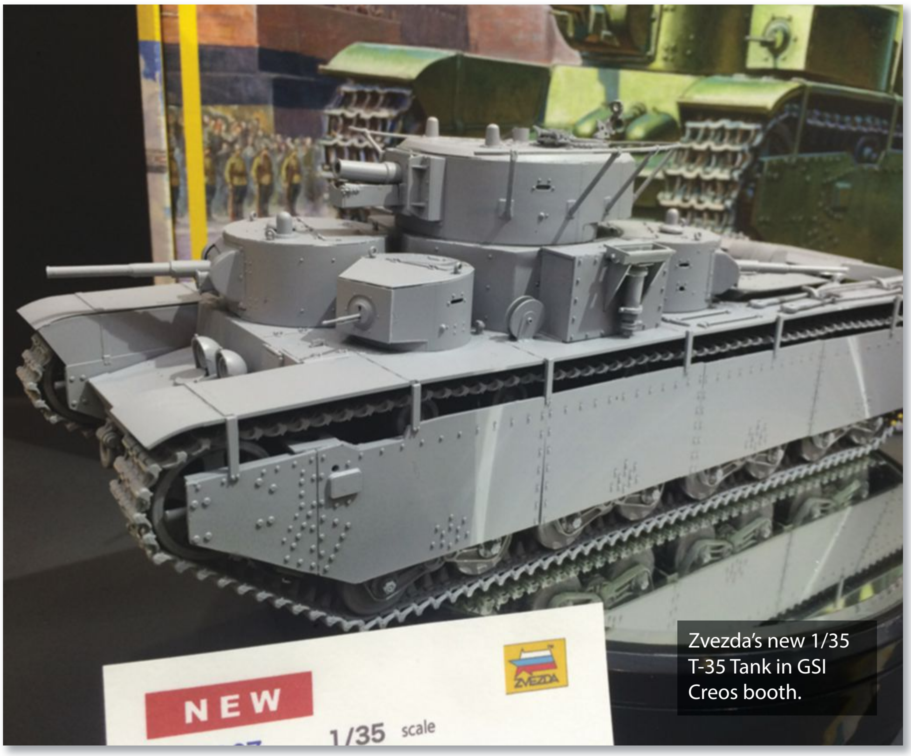
A fresh test shot of the 1/35 Su-122 from MiniArt.






M113 ACAV
AFV CLUB
1/35 SCALE
AF35113

Taiwan's AFV Club's new items included a 1/35 M60A2, M109A2 IDF Rochev and a newly tooled M113.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Zvezda's new 1/35 T-35 Tank in GSI Creos booth.

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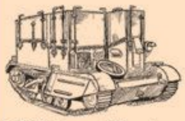
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Revosys's 1/35 VK.3601 includes a full interior.

Fine Molds from Aichi, Japan, announced a 1/35 JGSDF Type 61 Tank.

Takom's new Flakpanzer Gepard is an eagerly awaited release.

DRAGON
NEW
新製

Dragon's new releases included a 1/35 Su-76i and IDF Magach 3.

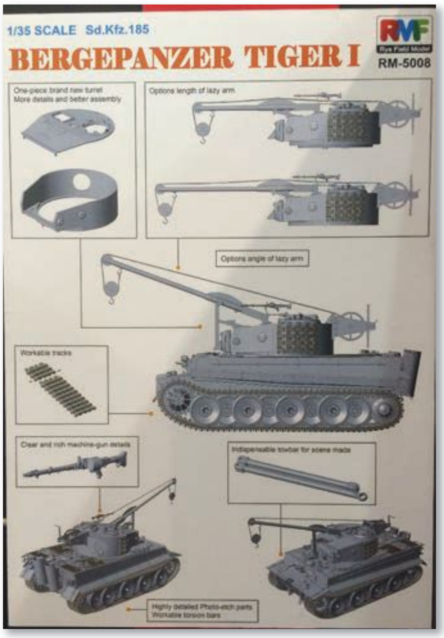
DRAGON
GERMAN EXOTIC BEAS

Takom's new test sprues for their 1/35 ZSU-57-2.

"Easy Eight"
NEW
再登場!!

The new Sherman tank series from Asuka Model.

Panda Model announced a 1/35 Armata T-14 APC, Type 99 MBT and Marder I.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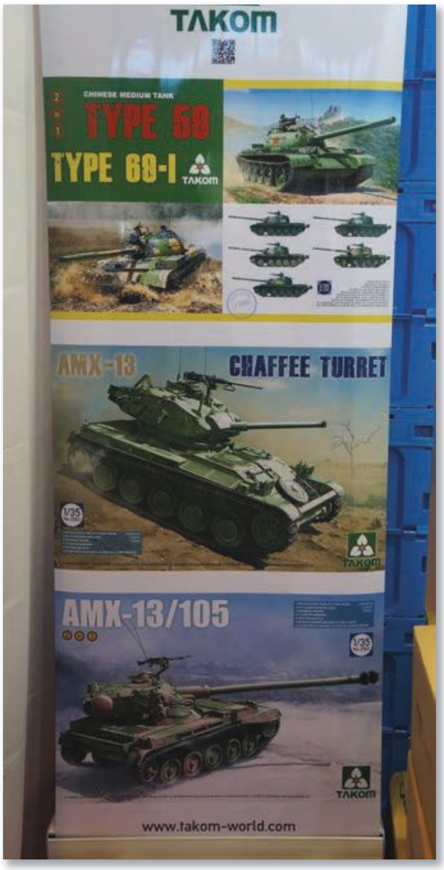
Rye Field Models' 1/35 Berge Panzer VI included three new sprues.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Eduard Model Accessories was formed in 1989 in the basement of co-owner Ctirad Kuraks house in Most, Czechoslovakia (now the Czech Republic). Two years previous, Mr. Kurak and Vladimir Sulc had started making photo etch for themselves and had decided that it was possible to sell to shops, so in 1990 the first photo etch, a 1/48th scale Su 25K, was produced for sale. In that year many more sets were made and sales were so good that they moved into a proper office and opened up a production line in 1991.

Mr Sulc – Joint Owner Eduard

There was a great demand for other scales as well and so 1/72nd and 1/35th were added and a few years, ships. In 1993 our first two models came out, a Sopwith Schneider and a Sopwith Baby, both in 1/72nd scale. The production of plastic models necessitated another move into a larger office and more staff. 994 turned out to be a very good year with the first 1/48th scale kit, a Fokker E III, selling very well and an award in Nuremberg for our photo etch line. By the end of 1995 we had 10 kits on the market and lots of photo etch and had also set up a co-operation with Jules Bringuier of Classic Airframes to produce his models.

In 1996 we purchased a new building in the town of Obrnice and began renovations and also brought out a new process for moulding models. This was called LTM and significantly improved our kits. Since then we have continued to improve our technology and are now using full metal moulds which allow us to produce tens of thousands of kits from a mould, making us no longer a short run manufacturer. Early 1997 saw us moving into our new building and the purchase of new equipment.

We also started producing models and photo etch for other companies including Revell-Monogram and Smer along with many smaller but no less important companies. We have continued evolve and are always looking for new ideas and technologies to improve our products.

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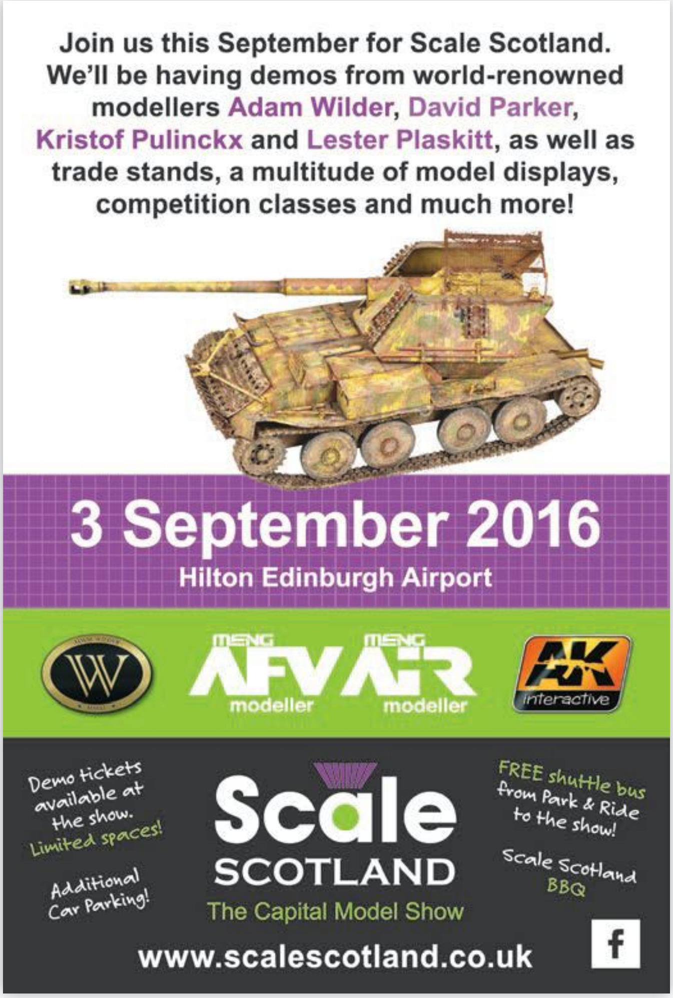

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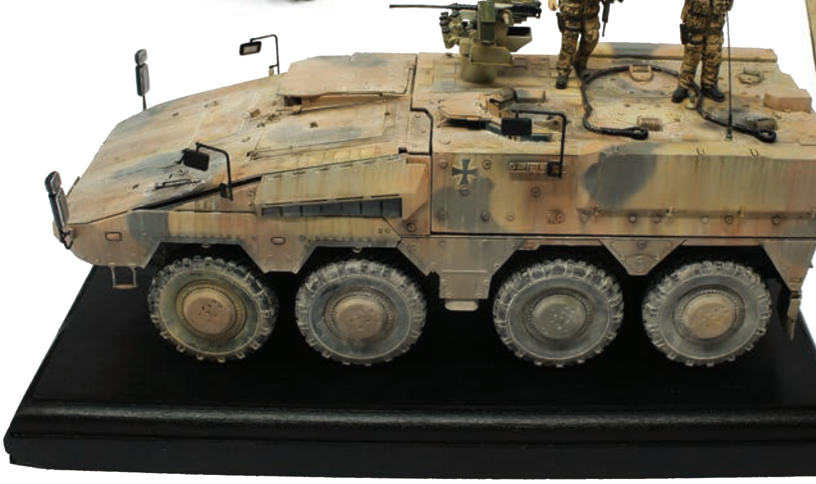

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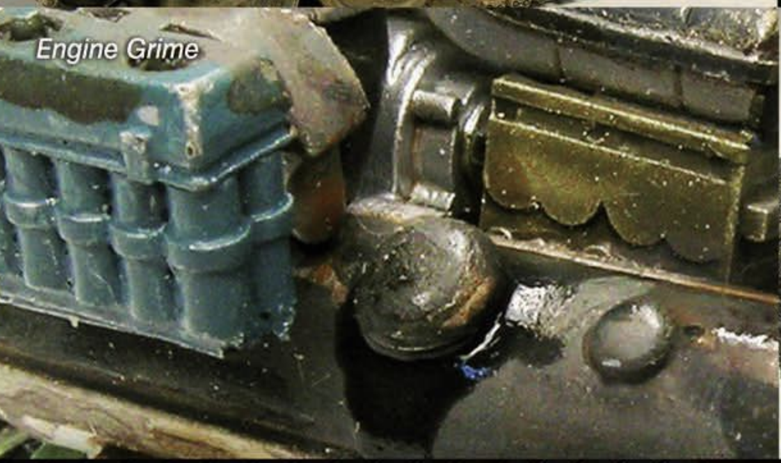

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